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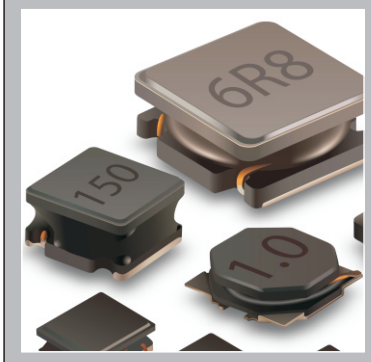

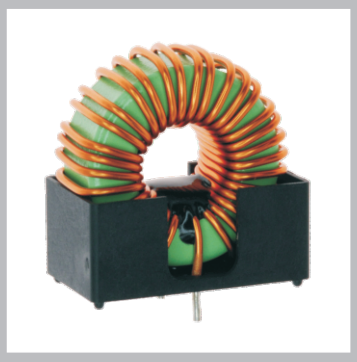

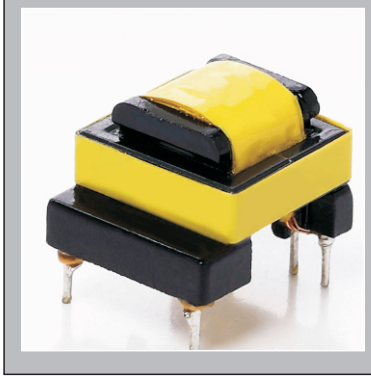

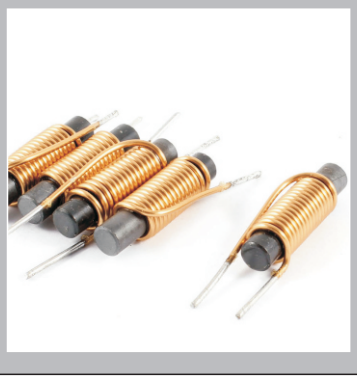

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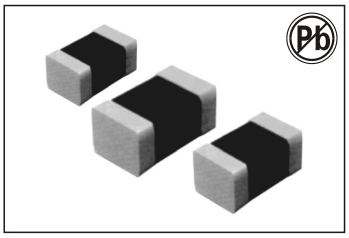


SURFACE-MOUNT MULTI-LAYER CHIP BEADS

L-KLS18-CBG 1005,1608 SERIES

FEATURES:

- Multilayer structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent magnetic shield
- Excellent solderability
- High reliability
- EMI/RFI suppression
- 20%impedance tolerance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Impedance:Optional values available

COMMON APPLICATIONS:

- Cellular Phones
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	IMPEDANCE (Ω) AT 100 MHz	DCR (Ω) Max	IDC Max mA	Part Number	IMPEDANCE (Ω) AT 100 MHz	DCR (Ω) Max	IDC Max mA
CBG1005A050H	5	0.045	500	CBG1608A050H	5	0.05	1000
CBG1005A070H	7	0.045	500	CBG1608A090H	9	0.05	1000
CBG1005A110H	11	0.05	500	CBG1608A110H	11	0.05	1000
CBG1005A190H	19	0.05	300	CBG1608A190H	19	0.05	1000
CBG1005A260H	26	0.15	300	CBG1608A260H	26	0.06	500
CBG1005A310H	31	0.20	300	CBG1608A310H	31	0.06	500
CBG1005A360H	36	0.20	300	CBG1608A600H	60	0.12	300
CBG1005A600H	60	0.35	200	CBG1608A700H	70	0.12	300
CBG1005A800H	80	0.40	200	CBG1608A800H	80	0.12	300
CBG1005A121H	120	0.50	150	CBG1608A101H	100	0.20	200
CBG1005A151H	150	0.55	150	CBG1608A121H	120	0.20	200
CBG1005A181H	180	0.60	150	CBG1608A151H	150	0.20	200
CBG1005A221H	220	0.70	100	CBG1608A181H	180	0.30	200
CBG1005A301H	300	0.80	100	CBG1608A221H	220	0.30	200
CBG1005A501H	500	1.1	100	CBG1608A301H	300	0.35	150
CBG1005A601H	600	1.3	100	CBG1608A501H	500	0.40	150
CBG1005A801H	800	1.4	50	CBG1608A601H	600	0.45	100
CBG1005A102H	1000	1.6	25	CBG1608A801H	800	0.50	100
CBG1005A122H	1200	1.8	25	CBG1608A102H	1000	0.60	100
				CBG1608A122H	1200	0.80	100
				CBG1608A152H	1500	0.90	50
				CBG1608A202H	2000	1.20	50

Note:1. K=±10%,M=±20%

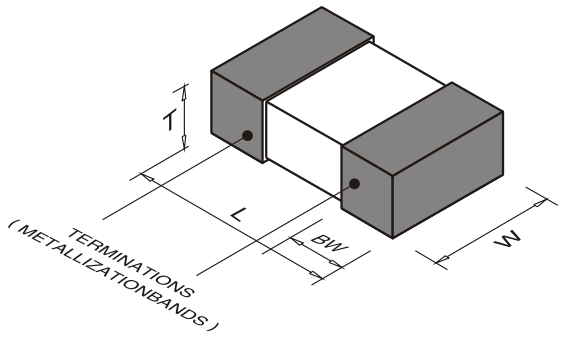
TECHNICAL INFORMATION

- Testing:Impedance vs.Frequency:HP 4195A
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃±5℃ for 60 seconds
  Flux:Rosin,Dip for 10 seconds ±1 second
- Thermal Shock:Impedance shall be within ±20% of initial value when temperature is –25℃ and +85℃ for 30 minutes for each 50 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature:–25℃ to +85℃

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS

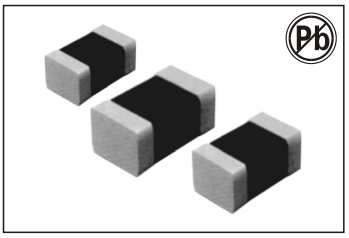
(Refer to Size Chart Page 4)



TERMINATIONS (METALLIZATIONBANDS)

SURFACE–MOUNT MULTI–LAYER CHIP BEADS

L-KLS18-CBG 2012,3216 SERIES



FEATURES:

- Multilayer structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent magnetic shield
- Excellent solderability
- High reliability
- EMI/RFI suppression
- 20%impedance tolerance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty's:2000pcs)
  Bulk packaging available for smaller quantities
- Impedance:Optional values available

COMMON APPLICATIONS:

- Cellular Phones
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	IMPEDANCE Ω AT 100 MHz	DCR (Ω) Max	IDC Max mA	Part Number	IMPEDANCE (Ω) AT 100 MHz	DCR (Ω) Max	IDC Max mA
CBG2012A070H	7	0.20	600	CBG3216A700H	70	0.30	400
CBG2012A110H	11	0.20	600	CBG3216A800H	80	0.30	300
CBG2012A190H	19	0.20	600	CBG3216A101H	100	0.30	300
CBG2012A260H	26	0.20	400	CBG3216A121H	120	0.30	300
CBG2012A310H	31	0.20	400	CBG3216A151H	150	0.30	300
CBG2012A360H	36	0.20	400	CBG3216A181H	180	0.35	300
CBG2012A600L	60	0.25	400	CBG3216A221H	220	0.30	300
CBG2012A700L	70	0.25	400	CBG3216A301H	300	0.30	300
CBG2012A800L	80	0.25	400	CBG3216A501H	500	0.30	200
CBG2012A101L	100	0.25	400	CBG3216A601H	600	0.30	200
CBG2012A121L	120	0.25	300	CBG3216A801H	800	0.30	200
CBG2012A151L	150	0.25	300	CBG3216A102H	1000	0.30	200
CBG2012A181L	180	0.25	300	CBG3216A122H	1200	0.50	100
CBG2012A221H	220	0.25	300	CBG3216A152H	1500	0.60	100
CBG2012A301H	300	0.25	300	CBG3216A202L	2000	0.60	100
CBG2012A501H	500	0.35	200	CBG3216A252L	2500	0.80	100
CBG2012A601H	600	0.40	200	CBG3216A302L	3000	1.00	80
CBG2012A801H	800	0.40	150				
CBG2012A102H	1000	0.45	100				
CBG2012A122H	1200	0.06	100				
CBG2012A152H	1500	0.80	100				
CBG2012A202H	2000	0.90	50				
CBG2012A222H	2200	1.00	50				
CBG2012A252H	2500	1.20	50				
CBG2012A302H	3000	1.40	50				
CBG2012A190H	19	0.20	500				
CBG2012A260H	26	0.20	500				
CBG2012A310H	31	0.30	500				
CBG2012A600H	60	0.30	400				

Note:1. K=±10%,M=±20%

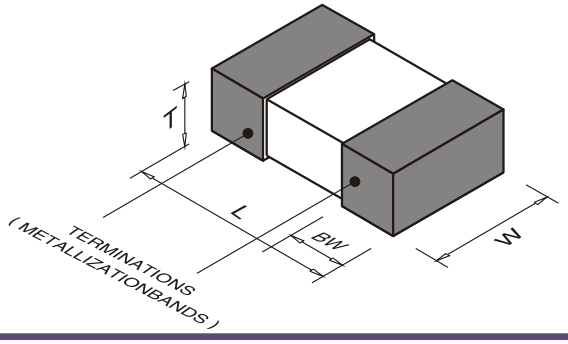
TECHNICAL INFORMATION

- Testing:Impedance vs.Frequency:HP 4195A
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃±5℃ for 60 seconds
  Flux:Rosin,Dip for 10 seconds ±1 second
- Thermal Shock:Impedance shall be within ±20% of initial value when temperature is –25℃ and +85℃ for 30 minutes for each 50 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature:–25℃ to +85℃

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS

(Refer to Size Chart Page 4)



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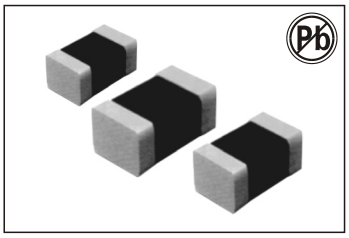


SURFACE–MOUNT MULTI–LAYER CHIP BEADS

L-KLS18-CBG 3216,4516,4532 SERIES

FEATURES:

- Multilayer structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent magnetic shield
- Excellent solderability
- High reliability
- EMI/RFI suppression
- 20%impedance tolerance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty's:2000pcs)
  Bulk packaging available for smaller quantities
- Impedance:Optional values available

COMMON APPLICATIONS:

- Cellular Phones
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	IMPEDANCE Ω AT 100 MHz	DCR (Ω) Max	IDC Max mA	Part Number	IMPEDANCE (Ω) AT 100 MHz	DCR (Ω) Max	IDC Max mA
CBG3216190H	19	0.20	500	CBG3216151L	150	0.10	2000
CBG3216260H	26	0.20	500	CBG3216301L	300	0.20	1000
CBG3216310H	31	0.20	500	CBG3216501L	500	0.20	1000
CBG3216600H	60	0.30	400	CBG3216601L	600	0.10	1000
CBG3216700H	70	0.30	400	CBG3216801L	800	0.10	1000
CBG3216800H	80	0.30	300	CBG3216102L	1000	0.50	500
CBG3216900H	90	0.30	300				
CBG3216121H	120	0.30	300	CBG4516800H	80	0.30	300
CBG3216151H	150	0.30	300	CBG4516101H	100	0.10	300
CBG3216221H	220	0.30	300	CBG4516151H	150	0.30	300
CBG3216301H	300	0.30	300	CBG4516250H	25	0.30	500
CBG3216501H	500	0.30	200	CBG4516700H	70	0.30	300
CBG3216601H	600	0.30	200	CBG4516121H	120	0.30	300
CBG3216801H	800	0.30	200	CBG4516131H	130	0.30	300
CBG3216102H	1000	0.30	200				
CBG3216122H	1200	0.50	100	CBG4516600L	60	0.01	6000
CBG3216152H	1500	0.60	100	CBG4516750L	75	0.025	3000
CBG3216202H	2000	0.60	100	CBG4516800L	80	0.05	3000
CBG3216190L	19	0.04	3000	CBG4516121L	120	0.10	2000
CBG3216260L	26	0.04	3000	CBG4516151L	150	0.10	2000
CBG3216310L	31	0.04	3000	CBG4516102L	1000	0.15	1500
CBG3216600L	60	0.04	3000				
CBG3216700L	70	0.04	3000	CBG4532700L	70	0.035	6000
CBG3216800L	80	0.04	3000	CBG4532800L	80	0.050	6000
CBG3216900L	90	0.05	2000	CBG4532121L	120	0.050	3000
CBG3216121L	120	0.10	2000	CBG4516151L	150	0.050	3000

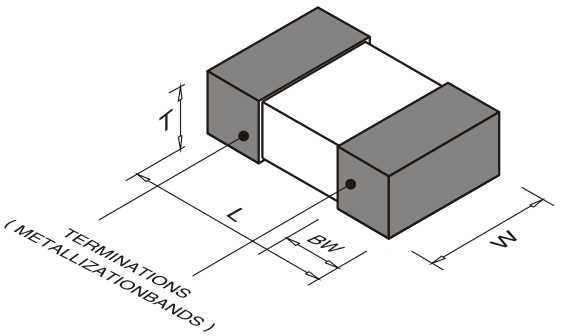
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION

- Testing:Impedance vs.Frequency:HP 4195A
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃±5℃ for 60 seconds
  Flux:Rosin,Dip for 10 seconds ±1 second
- Thermal Shock:Impedance shall be within ±20% of initial value when temperature is –25℃ and +85℃ for 30 minutes for each 50 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature:–25℃ to +85℃

PHYSICAL CHARACTERISTICS

(Refer to Size Chart Page 4)

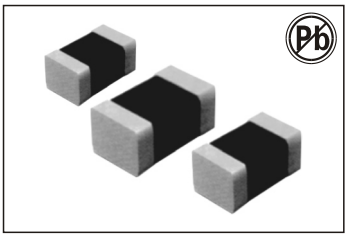


Note:All specifications subject to change without notice.

SURFACE–MOUNT MULTI–LAYER CHIP BEADS

L-KLS18-CBG SERIES

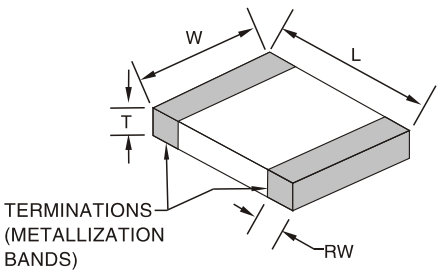
SIAE CHART1005,1608,2012,3216,3225,4516,4532

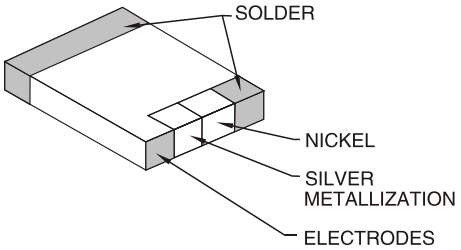


SIZE CHART:Sizes shown are in mm and (inches) :

PART NUMBER	LENGTH(L)	WIDTH(W)	THICKNESS(T)	TERMINATION(BW)
CBG1005 (0402)	1.0 ± 0.15 (0.04 ± 0.006)	0.5 ± 0.15 (0.02 ± 0.006)	0.5 ± 0.15 (0.02 ± 0.006)	0.25 ± 0.1 (0.01 ± 0.004)
CBG1608 (0603)	1.6 ± 0.2 (0.063 ± 0.008)	0.8 ± 0.2 (0.031 ± 0.008)	0.8 ± 0.2 (0.031 ± 0.008)	0.3 ± 0.2 (0.012 ± 0.008)
CBG2012 (0805)	2.0 ± 0.2 (0.079 ± 0.008)	1.2 ± 0.2 (0.047 ± 0.008)	0.9 ± 0.2 (0.035 ± 0.008)	0.5 ± 0.3 (0.020 ± 0.012)
CBG3216 (1206)	3.2 ± 0.2 (0.126 ± 0.008)	1.6 ± 0.2 (0.063 ± 0.008)	1.1 ± 0.2 (0.025 ± 0.012)	0.5 ± 0.3 (0.020 ± 0.012)
CBG3225 (1210)	3.2 ± 0.2 (0.126 ± 0.008)	2.5 ± 0.2 (0.098 ± 0.008)	1.3 ± 0.2 (0.051 ± 0.008)	0.5 ± 0.3 (0.020 ± 0.012)
CBG4516 (1806)	4.560.2 (0.17760.008)	1.6 ± 0.2 (0.063 ± 0.008)	1.6 ± 0.2 (0.063 ± 0.008)	0.5 ± 0.3 (0.020 ± 0.012)
CBG4532 (1812)	4.5 ± 0.2 (0.177 ± 0.008)	3.2 ± 0.2 (0.126 ± 0.008)	1.5 ± 0.2 (0.060 ± 0.008)	0.5 ± 0.3 (0.020 ± 0.008)

PHYSICAL CHARACTERISTICS:Refer to Size Chart Above





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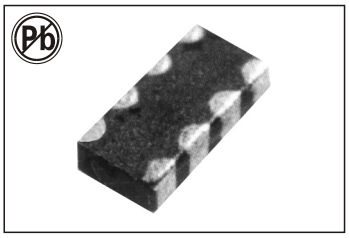


SURFACE–MOUNT MULTI–LAYER CHIP ARRAY BEADS

L-KLS18-CBA 0804,1206 SERIES

FEATURES:

- Multilayer structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent magnetic shield
- Excellent solderability
- High reliability
- EMI/RFI suppression
- 20%impedance tolerance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty's:2000pcs)
  Bulk packaging available for smaller quantities
- Impedance:Optional values available

COMMON APPLICATIONS:

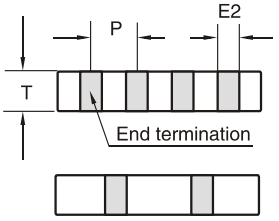
- Cellular Phones
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

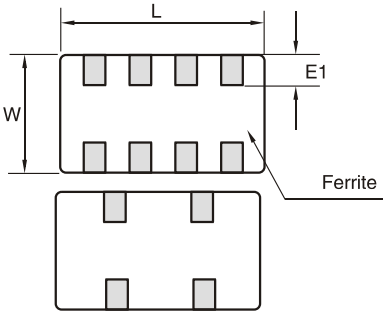
SIZE CHART:Sizes shown are in mm and (inches) :

Part Number	IMPEDANCE Ω @T 100 MHz	DCR (Ω) Max	IDC Max mA	Part Number	IMPEDANCE (Ω) @T 100 MHz	DRC (Ω) Max	IDC Max mA
CBA-0804-2-310	31	0.20	50	CBA-1206-2-310	31	0.10	500
CBA-0804-2-600	60	0.35	50	CBA-1206-2-600	60	0.15	500
CBA-0804-2-121	120	0.40	50	CBA-1206-2-121	120	0.20	500
CBA-0804-2-151	150	0.40	50	CBA-1206-2-151	150	0.20	500
CBA-0804-2-221	220	0.50	50	CBA-1206-2-221	220	0.30	300
CBA-0804-2-301	300	0.60	50	CBA-1206-2-301	300	0.40	250
CBA-0804-2-601	600	0.70	50	CBA-1206-2-601	600	0.50	200
CBA-0804-2-801	800	0.80	50	CBA-1206-2-801	800	0.65	100
CBA-0804-2-102	1000	0.90	50	CBA-1206-2-102	1000	0.80	50
CBA-0804-2-122	1200	1.00	50	CBA-1206-2-122	1200	0.90	50
CBA-0804-4-310	30	0.20	50	CBA-1206-4-310	30	0.10	500
CBA-0804-4-600	60	0.35	50	CBA-1206-4-600	60	0.15	500
CBA-0804-4-121	120	0.40	50	CBA-1206-4-121	120	0.20	500
CBA-0804-4-151	150	0.40	50	CBA-1206-4-151	150	0.20	500
CBA-0804-4-221	220	0.50	50	CBA-1206-4-221	220	0.30	300
CBA-0804-4-301	300	0.60	50	CBA-1206-4-301	300	0.40	250
CBA-0804-4-601	600	0.70	50	CBA-1206-4-601	600	0.50	200
CBA-0804-4-801	800	0.80	50	CBA-1206-4-801	800	0.65	100
CBA-0804-4-102	1000	0.90	50	CBA-1206-4-102	1000	0.80	50
CBA-0804-4-122	1200	1.00	50	CBA-1206-4-122	1200	0.90	50

TECHNICAL INFORMATION & ELECTRICAL CHARACTERISTICS:

- Testing:Impedance vs.Frequency:HP 4195A
- Solderability:90% of the terminal electrode shall be covered Preheat:@ 260℃ ± 5℃ for 60 seconds
  Flux:Rosin,Dip for 10 seconds ± 1 second
- Thermal Shock:Impedance shall be within ± 20% of initial value when temperature is –25℃ and +85℃ for 30 minutes for each 50 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature:–25℃ to +85℃



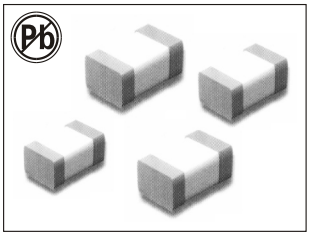


CODE	L	W	T	E1	E2	P
2010 (0804)	2.0 ± 0.15 (0.079 ± 0.006)	1.0 ± 0.15 (0.039 ± 0.006)	0.5 ± 0.1 (0.020 ± 0.004)	$2.0^{+0.15-0.1}$ ($0.079^{+0.006-0.004}$)	2.0 ± 0.15 (0.079 ± 0.006)	2.0 ± 0.15 (0.079 ± 0.006)
3216 (1206)	3.2 ± 0.2 (0.126 ± 0.008)	1.660.2 (0.063 ± 0.008)	0.9 ± 0.1 (0.031 ± 0.004)	3.2 ± 0.2 (0.126 ± 0.008)	0.3 ± 0.2 (0.012 ± 0.008)	0.8 ± 0.1 (0.031 ± 0.004)

Note:All specifications subject to change without notice.

SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

L-KLS18-CIMI-0402C SERIES



FEATURES:

- Multilayer ceramic structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0402C-1N0	1.0	8	6000	0.10	300	100
CIMI-0402C-1N2	1.2	8	6000	0.10	300	100
CIMI-0402C-1N5	1.5	8	6000	0.10	300	100
CIMI-0402C-1N8	1.8	8	6000	0.12	300	100
CIMI-0402C-2N2	2.2	8	6000	0.16	300	100
CIMI-0402C-2N7	2.7	8	6000	0.20	300	100
CIMI-0402C-3N3	3.3	8	6000	0.22	300	100
CIMI-0402C-3N9	3.9	8	4000	0.25	300	100
CIMI-0402C-4N7	4.7	8	4000	0.28	300	100
CIMI-0402C-5N6	5.6	8	4000	0.29	300	100
CIMI-0402C-6N8	6.8	8	3900	0.35	300	100
CIMI-0402C-8N2	8.2	8	3600	0.40	250	100
CIMI-0402C-10N	10	8	3200	0.45	250	100
CIMI-0402C-12N	12	8	2700	0.50	200	100
CIMI-0402C-15N	15	8	2300	0.55	200	100
CIMI-0402C-18N	18	8	2100	0.65	200	100
CIMI-0402C-22N	22	8	1900	0.80	200	100
CIMI-0402C-27N	27	8	1600	0.90	200	100
CIMI-0402C-33N	33	8	1300	1.10	200	100
CIMI-0402C-39N	39	8	1200	1.20	100	100
CIMI-0402C-47N	47	8	1000	1.30	100	100
CIMI-0402C-56N	56	8	750	1.40	100	100
CIMI-0402C-68N	68	8	700	1.40	100	100
CIMI-0402C-82N	82	8	600	1.60	100	100
CIMI-0402C-R10	100	8	550	2.00	100	100

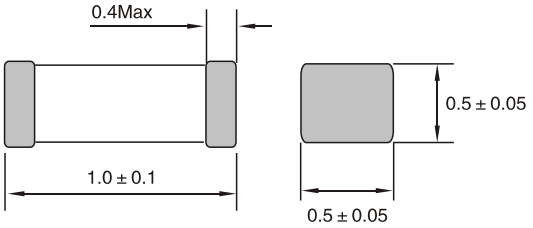
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal
  Electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be
  Within ± 5% of imitial value
  and Q shall be within ± 30% of initial value
  When temperaturs is –40℃ and +85℃ for 30
  Min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:

Dimensions: Inches (mm)



Note:All specifications subject to change without notice.

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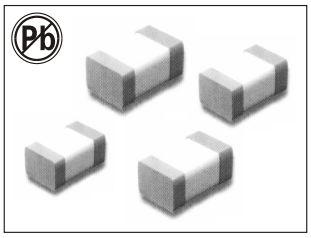


SURFACE–MOUNT MULTI–LAYER CERAMIC CHIP INDUCTORS

L-KLS18-CIMI-0603C SERIES

FEATURES:

- Multilayer ceramic structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0603C-1N2	1.2	40	6000	0.10	500	100
CIMI-0603C-1N5	1.5	38	6000	0.10	500	100
CIMI-0603C-1N8	1.8	36	6000	0.12	500	100
CIMI-0603C-2N2	2.2	34	6000	0.16	500	100
CIMI-0603C-2N7	2.7	32	6000	0.20	500	100
CIMI-0603C-3N3	3.3	30	5700	0.22	500	100
CIMI-0603C-3N9	3.9	32	5600	0.25	500	100
CIMI-0603C-4N7	4.7	32	4800	0.28	500	100
CIMI-0603C-5N6	5.6	32	4350	0.29	500	100
CIMI-0603C-6N8	6.8	32	3750	0.30	500	100
CIMI-0603C-8N2	8.2	28	3300	0.33	300	100
CIMI-0603C-10N	10	31	2850	0.35	300	100
CIMI-0603C-12N	12	30	2700	0.40	300	100
CIMI-0603C-15N	15	26	2400	0.45	300	100
CIMI-0603C-18N	18	25	2050	0.50	300	100
CIMI-0603C-22N	22	30	1850	0.55	300	100
CIMI-0603C-27N	27	26	1750	0.60	300	100
CIMI-0603C-33N	33	24	1500	0.65	300	100
CIMI-0603C-39N	39	20	1350	0.70	300	100
CIMI-0603C-47N	47	18	1200	0.90	300	100
CIMI-0603C-56N	56	14	1100	1.00	300	100
CIMI-0603C-68N	68	18	1000	1.50	300	100
CIMI-0603C-82N	82	18	900	2.00	300	100
CIMI-0603C-R10	100	3	830	2.50	300	100

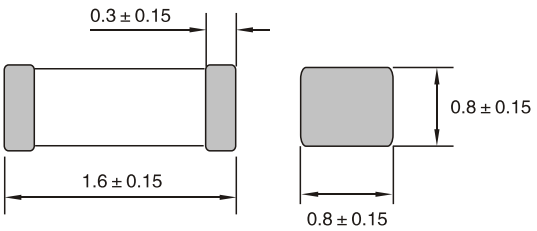
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal
  Electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be
  Within ± 5% of imitial value
  and Q shall be within ± 30% of initial value
  When temperaturs is –40℃ and +85℃ for 30 Min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:

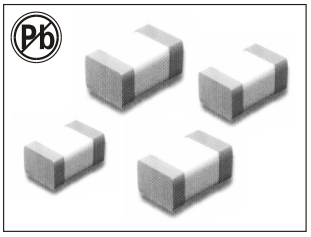
Dimensions: Inches (mm)



Note:All specifications subject to change without notice.

SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

L-KLS18-CIMI-0805C SERIES



FEATURES:

- Multilayer ceramic structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

Part Number	L (nH)	Q Min	SRF Mhz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0805C-1N0	1.0	10	4000	0.10	300	100
CIMI-0805C-1N2	1.2	10	4000	0.10	300	100
CIMI-0805C-1N5	1.5	10	4000	0.10	300	100
CIMI-0805C-1N8	1.8	10	4000	0.10	300	100
CIMI-0805C-2N2	2.2	10	3800	0.10	300	100
CIMI-0805C-2N7	2.7	10	3600	0.10	300	100
CIMI-0805C-3N3	3.3	10	3400	0.13	300	100
CIMI-0805C-3N9	3.9	10	3200	0.15	300	100
CIMI-0805C-4N7	4.7	10	3000	0.20	300	100
CIMI-0805C-5N6	5.6	10	2800	0.23	300	100
CIMI-0805C-6N8	6.8	10	2600	0.25	300	100
CIMI-0805C-8N2	8.2	10	2200	0.28	300	100
CIMI-0805C-10N	10	10	1800	0.30	300	100
CIMI-0805C-12N	12	10	1650	0.35	300	100
CIMI-0805C-15N	15	10	1350	0.40	300	100
CIMI-0805C-18N	18	10	1350	0.45	300	100
CIMI-0805C-22N	22	15	1100	0.50	300	100
CIMI-0805C-27N	27	15	1100	0.55	300	100
CIMI-0805C-33N	33	15	1000	0.60	300	100
CIMI-0805C-39N	39	15	900	0.65	300	100
CIMI-0805C-47N	47	15	850	0.70	300	100
CIMI-0805C-56N	56	15	750	0.75	300	100
CIMI-0805C-68N	68	15	400	0.80	300	100
CIMI-0805C-82N	82	15	600	0.90	300	100
CIMI-0805C-R10	100	15	500	1.00	300	100
CIMI-0805C-R12	120	15	450	1.30	250	100
CIMI-0805C-R15	150	15	400	1.50	250	100
CIMI-0805C-R18	180	15	350	1.80	250	100
CIMI-0805C-R22	220	10	330	2.00	250	100
CIMI-0805C-R27	270	10	300	2.50	250	100
CIMI-0805C-R33	330	10	270	3.00	250	100
CIMI-0805C-R39	390	10	220	3.50	250	100
CIMI-0805C-R47	470	10	180	4.00	250	100

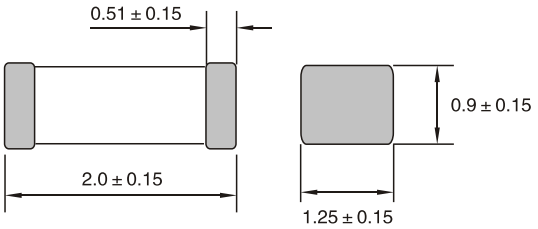
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal
  Electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be
  Within ± 5% of imitial value
  and Q shall be within ± 30% of initial value
  When temperaturs is –40℃ and +85℃ for 30
  Min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:

Dimensions: Inches (mm)



Note:All specifications subject to change without notice.

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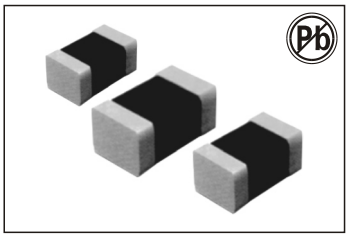


SURFACE-MOUNT MULTI-LAYER CERAMIC CHIP INDUCTORS

L-KLS18-CIMI-0402 SERIES

FEATURES:

- Multilayer ceramic structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

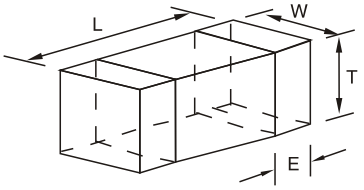
Part Number	L (nH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0402-47NM	47nH	± 20	10	220	0.045	25	50
CIMI-0402-56NM	56nH	± 20	10	210	0.045	25	50
CIMI-0402-68NM	68nH	± 20	10	210	0.045	25	50
CIMI-0402-82NM	82nH	± 20	10	200	0.045	25	50
CIMI-0402-R10K	.10	± 10	15	200	0.70	25	25
CIMI-0402-R12K	.12	± 10	15	165	0.70	25	25
CIMI-0402-R15K	.15	± 10	15	140	0.80	25	25
CIMI-0402-R18K	.18	± 10	15	120	0.80	25	25
CIMI-0402-R22K	.22	± 10	15	110	1.00	25	25
CIMI-0402-R27K	.27	± 10	15	95	1.20	25	25
CIMI-0402-R33K	.33	± 10	15	85	1.20	25	25
CIMI-0402-R39K	.39	± 10	15	70	1.3	20	25
CIMI-0402-R47K	.47	± 10	15	68	1.5	20	25
CIMI-0402-R56K	.56	± 10	15	55	2.0	20	25
CIMI-0402-R68K	.68	± 10	15	50	2.3	20	25
CIMI-0402-R82K	.82	± 10	15	45	3.0	18	25
CIMI-0402-1R0K	1.0	± 10	20	40	1.2	25	10
CIMI-0402-1R2K	1.2	± 10	20	35	1.2	25	10
CIMI-0402-1R5K	1.5	± 10	20	30	1.3	20	10
CIMI-0402-1R8K	1.8	± 10	20	30	1.4	20	10
CIMI-0402-2R2K	2.2	± 10	20	28	1.7	20	10
CIMI-0402-2R7K	2.7	± 10	20	22	1.9	20	10
CIMI-0402-3R3K	3.3	± 10	20	20	2.0	20	10
CIMI-0402-3R9K	3.9	± 10	20	18	2.2	20	10
CIMI-0402-4R7K	4.7	± 10	20	15	2.5	18	10
CIMI-0402-5R6K	5.6	± 10	20	13	2.2	18	4
CIMI-0402-6R8K	6.8	± 10	20	11	2.4	18	4
CIMI-0402-8R2K	8.2	± 10	20	10	2.9	18	4
CIMI-0402-100K	10	± 10	20	9	3.1	10	2
CIMI-0402-120K	12	± 10	20	8	3.3	5	2
CIMI-0402-150K	15	± 10	20	8	3.5	5	1
CIMI-0402-180K	18	± 10	20	8	3.5	5	1

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:75% of the terminal electrode shall be covered
  Preheat:@ 180℃ ± 5℃ for 2–3 minutes
  Solder temperature:230℃for 4 seconds ± 1 second Flux:Emersion into methanol solution with Colophony for 3 to 5 seconds.
- IDC:The DC current at which tither the initial L value is decreased by 5% with the application of DC bias or the value of current at which the temperature of the element is increased by 20℃
- Operating Temperature:–40℃ to +100℃

PHYSICAL CHARACTERISTICS:

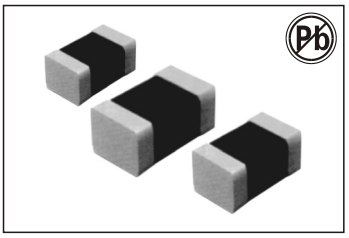


Dimensions: Inches (mm)

L	0.063 ± 0.006 (1.6 ± 0.15)
W	0.031 ± 0.006 (0.8 ± 0.15)
T	0.031 ± 0.006 (0.8 ± 0.15)
E	0.012 ± 0.008 (0.3 ± 0.2)

SURFACE–MOUNT MULTI–LAYER CHIP INDUCTORS

L-KLS18-CIMI-0603 SERIES



FEATURES:

- Multilayer ceramic structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

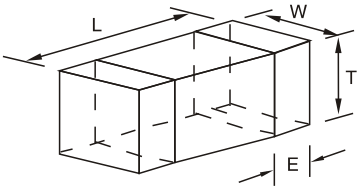
Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0603-47NM	47nH	±20	15	260	0.3	50	50
CIMI-0603-56NM	56nH	±20	15	260	0.3	50	50
CIMI-0603-68NM	68nH	±20	15	250	0.3	50	50
CIMI-0603-82NM	82nH	±20	15	245	0.3	50	50
CIMI-0603-R10K	.10	±10	20	240	0.5	50	25
CIMI-0603-R12K	.12	±10	20	205	0.5	50	25
CIMI-0603-R15K	.15	±10	20	180	0.6	50	25
CIMI-0603-R18K	.18	±10	20	165	0.6	50	25
CIMI-0603-R22K	.22	±10	20	150	0.8	50	25
CIMI-0603-R27K	.27	±10	20	136	0.8	50	25
CIMI-0603-R33K	.33	±10	20	125	0.85	35	25
CIMI-0603-R39K	.39	±10	20	110	1.00	35	25
CIMI-0603-R47K	.47	±10	20	105	1.35	35	25
CIMI-0603-R56K	.56	±10	20	95	1.55	35	25
CIMI-0603-R68K	.68	±10	20	90	1.70	35	25
CIMI-0603-R82K	.82	±10	20	85	2.10	35	25
CIMI-0603-1R0K	1.0	±10	35	75	0.60	25	10
CIMI-0603-1R2K	1.2	±10	35	65	0.80	25	10
CIMI-0603-1R5K	1.5	±10	35	60	0.80	25	10
CIMI-0603-1R8K	1.8	±10	35	55	0.95	25	10
CIMI-0603-2R2K	2.2	±10	35	50	1.15	25	10
CIMI-0603-2R7K	2.7	±10	35	45	1.35	15	10
CIMI-0603-3R3K	3.3	±10	35	40	1.55	15	10
CIMI-0603-3R9K	3.9	±10	35	35	1.70	15	10
CIMI-0603-4R7K	4.7	±10	35	33	2.10	15	10
CIMI-0603-5R6K	5.6	±10	35	22	1.55	5	4
CIMI-0603-6R8K	6.8	±10	35	20	1.70	5	4
CIMI-0603-8R2K	8.2	±10	35	18	2.10	5	4
CIMI-0603-100K	10	±10	30	17	2.15	3	2
CIMI-0603-120K	12	±10	30	15	2.35	3	2
CIMI-0603-150K	15	±10	20	14	1.70	1	1
CIMI-0603-180K	18	±10	20	13	1.85	1	1
CIMI-0603-220K	22	±10	20	11	2.10	1	1
CIMI-0603-270K	27	±10	20	10	2.75	1	1
CIMI-0603-330K	33	±10	20	9	2.95	1	1

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:75% of the terminal electrode shall be covered
  Preheat:@ 180℃±5℃ for 2–3 minutes
  Solder temperature:230℃for 4 seconds ±1 second Flux:Emersion into methanol solution with Colophony for 3 to 5 seconds.
- IDC:The DC current at which tither the initial L value is decreased by 5% with the application of DC bias or the value of current at which the temperature of the element is increased by 20℃
- Operating Temperature:–40℃ to +100℃

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

L	0.063±0.006 (1.6±0.15)
W	0.031±0.006 (0.8±0.15)
T	0.031±0.006 (0.8±0.15)
E	0.012±0.008 (0.3±0.2)

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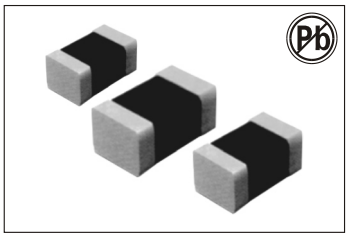


SURFACE–MOUNT MULTI–LAYER CHIP INDUCTORS

L-KLS18-CIMI-0805 SERIES

FEATURES:

- Multilayer Ferrite structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

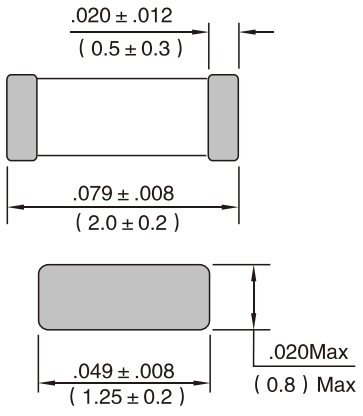
Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-0805-47NM	47nH	± 20	25	320	0.15	300	50
CIMI-0805-56NM	56nH	± 20	25	320	0.20	300	50
CIMI-0805-68NM	68nH	± 20	25	280	0.25	300	50
CIMI-0805-82NM	82nH	± 20	25	280	0.25	300	50
CIMI-0805-R10K	.10	± 10	25	235	0.25	250	25
CIMI-0805-R12K	.12	± 10	25	220	0.30	250	25
CIMI-0805-R15K	.15	± 10	25	200	0.30	250	25
CIMI-0805-R18K	.18	± 10	25	185	0.40	250	25
CIMI-0805-R22K	.22	± 10	25	170	0.40	250	25
CIMI-0805-R27K	.27	± 10	25	150	0.50	250	25
CIMI-0805-R33K	.33	± 10	25	145	0.50	250	25
CIMI-0805-R39K	.39	± 10	30	135	0.60	200	25
CIMI-0805-R47K	.47	± 10	30	125	0.60	200	25
CIMI-0805-R56K	.56	± 10	30	115	0.70	150	25
CIMI-0805-R68K	.68	± 10	30	105	0.80	150	25
CIMI-0805-R82K	.82	± 10	30	100	0.90	150	25
CIMI-0805-1R0K	1.0	± 10	45	75	0.40	100	10
CIMI-0805-1R2K	1.2	± 10	45	65	0.50	100	10
CIMI-0805-1R5K	1.5	± 10	45	60	0.50	50	10
CIMI-0805-1R8K	1.8	± 10	45	55	0.50	50	10
CIMI-0805-2R2K	2.2	± 10	45	50	0.60	50	10
CIMI-0805-2R7K	2.7	± 10	45	45	0.60	50	10
CIMI-0805-3R3K	3.3	± 10	45	41	0.70	50	10
CIMI-0805-3R9K	3.9	± 10	45	38	0.80	50	10
CIMI-0805-4R7K	4.7	± 10	45	35	0.90	25	10
CIMI-0805-5R6K	5.6	± 10	50	32	0.70	25	4
CIMI-0805-6R8K	6.8	± 10	50	29	0.80	25	4
CIMI-0805-8R2K	8.2	± 10	50	26	0.90	25	4
CIMI-0805-100K	10	± 10	50	24	1.00	25	2
CIMI-0805-120K	12	± 10	50	22	1.05	15	2
CIMI-0805-150K	15	± 10	30	19	0.70	5	1
CIMI-0805-180K	18	± 10	30	18	0.70	5	1
CIMI-0805-220K	22	± 10	30	16	0.90	5	1
CIMI-0805-270K	27	± 10	30	16	1.20	5	1
CIMI-0805-330K	33	± 10	30	16	1.40	5	1
CIMI-0805-390K	39	± 10	35	16	1.50	5	1
CIMI-0805-470K	47	± 10	35	15	1.60	5	1
CIMI-0805-560K	56	± 10	35	15	1.80	5	1
CIMI-0805-680K	68	± 10	25	15	2.0	5	1
CIMI-0805-820K	82	± 10	25	11	2.5	5	1

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be within ± 5% of imitial value and Q shall be within ± 30% of initial value when temperaturs is –40℃ and +85℃ for 30 min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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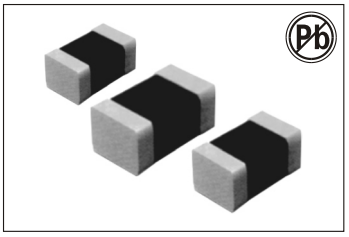
SURFACE–MOUNT MULTI–LAYER CHIP INDUCTORS

L-KLS18-CIMI-1206 SERIES



FEATURES:

- Multilayer Ferrite structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobile Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

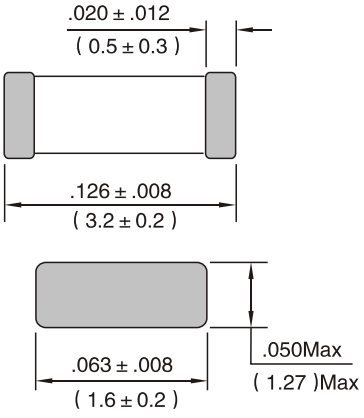
Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-1206-47NM	47nH	± 20	30	320	0.15	300	50
CIMI-1206-56NM	56nH	± 20	30	320	0.20	300	50
CIMI-1206-68NM	68nH	± 20	30	280	0.25	300	50
CIMI-1206-82NM	82nH	± 20	30	280	0.25	300	50
CIMI-1206-R10K	.10	± 20	30	235	0.25	250	25
CIMI-1206-R12K	.12	± 20	30	220	0.30	250	25
CIMI-1206-R15K	.15	± 20	30	200	0.30	250	25
CIMI-1206-R18K	.18	± 20	30	185	0.40	250	25
CIMI-1206-R22K	.22	± 20	30	170	0.40	250	25
CIMI-1206-R27K	.27	± 20	30	150	0.50	250	25
CIMI-1206-R33K	.33	± 20	30	145	0.50	250	25
CIMI-1206-R39K	.39	± 20	35	135	0.60	200	25
CIMI-1206-R47K	.47	± 20	35	125	0.60	200	25
CIMI-1206-R56K	.56	± 20	35	115	0.70	150	25
CIMI-1206-R68K	.68	± 20	30	105	0.80	150	25
CIMI-1206-R82K	.82	± 20	35	100	0.90	150	25
CIMI-1206-1R0K	1.0	± 10	50	75	0.40	100	10
CIMI-1206-1R2K	1.2	± 10	50	65	0.50	100	10
CIMI-1206-1R5K	1.5	± 10	50	60	0.50	50	10
CIMI-1206-1R8K	1.8	± 10	50	55	0.50	50	10
CIMI-1206-2R2K	2.2	± 10	50	50	0.60	50	10
CIMI-1206-2R7K	2.7	± 10	50	45	0.60	50	10
CIMI-1206-3R3K	3.3	± 10	50	41	0.70	50	10
CIMI-1206-3R9K	3.9	± 10	50	38	0.80	50	10
CIMI-1206-4R7K	4.7	± 10	50	35	0.90	25	10
CIMI-1206-5R6K	5.6	± 10	50	32	0.70	25	4
CIMI-1206-6R8K	6.8	± 10	50	29	0.80	25	4
CIMI-1206-8R2K	8.2	± 10	50	26	0.90	25	4
CIMI-1206-100K	10	± 10	50	24	1.00	25	2
CIMI-1206-120K	12	± 10	50	22	1.05	15	2
CIMI-1206-150K	15	± 10	35	19	0.70	5	1
CIMI-1206-180K	18	± 10	35	18	0.70	5	1
CIMI-1206-220K	22	± 10	35	16	0.90	5	1
CIMI-1206-270K	27	± 10	35	14	0.90	5	1
CIMI-1206-330K	33	± 10	35	13	1.05	5	1
CIMI-1206-390K	39	± 10	40	13	1.2	5	1
CIMI-1206-470K	47	± 10	40	12	1.4	5	1
CIMI-1206-560K	56	± 10	40	12	1.6	5	1
CIMI-1206-680K	68	± 10	40	11	1.8	5	1
CIMI-1206-820K	82	± 10	40	11	2.2	5	1
CIMI-1206-101K	100	± 10	40	9	2.6	5	1
CIMI-1206-121K	120	± 10	30	9	2.9	5	1

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

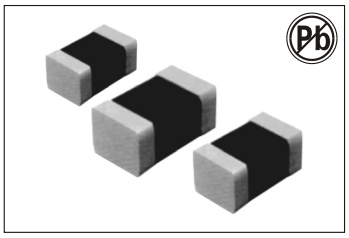
- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be within ± 5% of imitial value and Q shall be within ± 30% of initial value when temperaturs is –40℃ and +85℃ for 30 min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



SURFACE–MOUNT MULTI–LAYER CHIP INDUCTORS

L-KLS18-CIMI-1210 SERIES

FEATURES:

- Multilayer Ferrite structure
- Closed magnetic circuit
- Avoids crosstalk
- Excellent solderability
- High reliability
- Counter measures for complying with FCC,VDE,CSA,VCCI and CE

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% and 10% is standard, tighter tolerances available

COMMON APPLCATIONS:

- VCRs
- Mobil Radios
- Cordless Telephones
- Modems
- Global Positioning Systems
- Wireless Communications Equipment
- Network Systems
- Computer Products

ELECTRICAL CHARACTERISTICS:

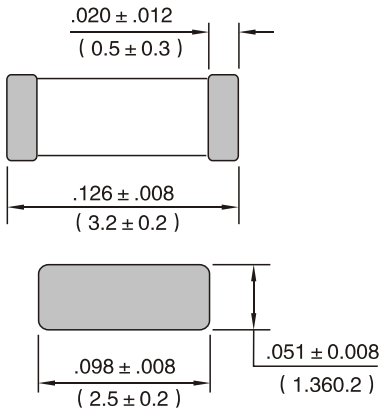
Part Number	L (μH)	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CIMI-1210-1R0K	1.0	± 10	50	320	0.15	600	10
CIMI-1210-1R2K	1.2	± 10	50	280	0.25	600	10
CIMI-1210-1R5K	1.5	± 10	50	235	0.25	500	10
CIMI-1210-1R8K	1.8	± 10	50	220	0.30	500	10
CIMI-1210-2R2K	2.2	± 10	50	200	0.30	500	10
CIMI-1210-2R7K	2.7	± 10	50	185	0.40	500	10
CIMI-1210-3R3K	3.3	± 10	50	170	0.40	500	10
CIMI-1210-3R9K	3.9	± 10	50	150	0.50	500	10
CIMI-1210-4R7K	4.7	± 10	50	145	0.60	500	10
CIMI-1210-5R6K	5.6	± 10	50	135	0.50	450	4
CIMI-1210-6R8K	6.8	± 10	50	125	0.60	450	4
CIMI-1210-8R2K	8.2	± 10	50	115	0.70	400	4
CIMI-1210-100K	10	± 10	50	105	0.80	400	2
CIMI-1210-120K	12	± 10	50	100	0.90	400	2
CIMI-1210-150K	15	± 10	50	75	1.00	300	1
CIMI-1210-180K	18	± 10	50	65	1.10	300	1
CIMI-1210-220K	22	± 10	50	60	1.10	250	1
CIMI-1210-270K	27	± 10	50	55	1.10	250	1
CIMI-1210-330K	33	± 10	50	50	1.20	250	1
CIMI-1210-390K	39	± 10	50	45	1.20	250	1
CIMI-1210-470K	47	± 10	50	41	1.25	200	1
CIMI-1210-560K	56	± 10	50	38	1.3	200	1
CIMI-1210-680K	68	± 10	50	35	1.4	150	1
CIMI-1210-820K	82	± 10	50	32	1.5	150	1
CIMI-1210-101K	100	± 10	50	29	1.6	150	1
CIMI-1210-121K	120	± 10	50	26	1.7	150	1
CIMI-1210-151K	150	± 10	50	24	1.75	100	1
CIMI-1210-181K	180	± 10	50	22	1.8	100	1
CIMI-1210-221K	220	± 10	50	19	1.9	50	1
CIMI-1210-271K	270	± 10	50	18	2.0	50	1
CIMI-1210-331K	330	± 10	50	16	2.1	50	1

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing:(Equivalents acceptable)
  Inductance & Q–HP4195A+HP41951
  DCR:VOAC–7412
  SRF:HP8753C
- Solderability:90% of the terminal electrode shall be covered
  Preheat:@ 260℃ ± 5℃ for 160 seconds
  Solder:H63AA Eutectic Solder
  Flux:Rosin,Dip for 5 seconds ± 1 second
- Thermal Shock: Inductance shall be within ± 5% of imitial value and Q shall be within ± 30% of initial value when temperaturs is –40℃ and +85℃ for 30 min.for each 100 cycles
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –40℃ to +85℃

PHYSICAL CHARACTERISTICS:

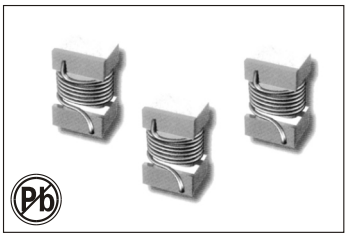


Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566

SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

L-KLS18-CISC-0402 SERIES



FEATURES:

- Ceramic Core
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:4000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

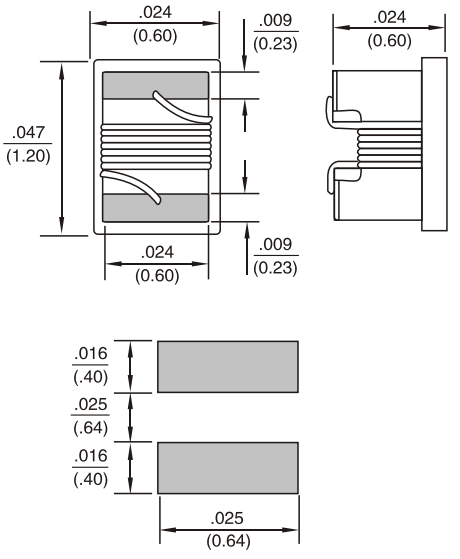
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-0402-0010K	.0010	± 10	16	250	>6000	0.045	1360
CISC-0402-0020K	.0020	± 10	16	250	>6000	0.070	1040
CISC-0402-0022K	.0022	± 10	19	250	>6000	0.070	960
CISC-0402-0033K	.0033	± 10	19	250	6000	0.066	840
CISC-0402-0036K	.0036	± 10	19	250	6000	0.066	840
CISC-0402-0039K	.0039	± 10	19	250	5800	0.066	840
CISC-0402-0051K	.0051	± 10	20	250	5800	0.083	800
CISC-0402-0056K	.0056	± 10	20	250	5800	0.083	760
CISC-0402-0062K	.0062	± 10	20	250	5800	0.083	760
CISC-0402-0075K	.0075	± 10	22	250	5800	0.104	680
CISC-0402-0082K	.0082	± 10	22	250	4400	0.104	680
CISC-0402-0090K	.0090	± 10	22	250	4160	0.104	680
CISC-0402-011J	.011	± 10	24	250	3860	0.120	640
CISC-0402-012J	.012	± 5	24	250	3600	0.120	640
CISC-0402-015J	0.15	± 5	24	250	3280	0.172	560
CISC-0402-019J	0.19	± 5	24	250	3040	0.202	480
CISC-0402-023J	0.23	± 5	24	250	2720	0.214	400
CISC-0402-027J	0.27	± 5	24	250	2480	0.298	400
CISC-0402-036J	0.36	± 5	24	250	2320	0.403	320
CISC-0402-040J	0.40	± 5	24	250	2240	0.438	320

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

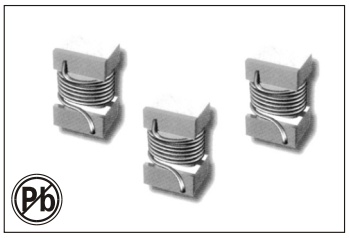
- Testing: (Equivalent acceptable)
  Inductance: HP4191A
  Q:HP4291A
  SRF:HP8753B
  RDC:measured @ 25℃
- Operating Temperature:
  Ceramic–55℃ to +125℃
- Pad metalization: Tungsten–nickel with gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

L-KLS18-CISC-0603 SERIES

FEATURES:

- Ceramic Core
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:3000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

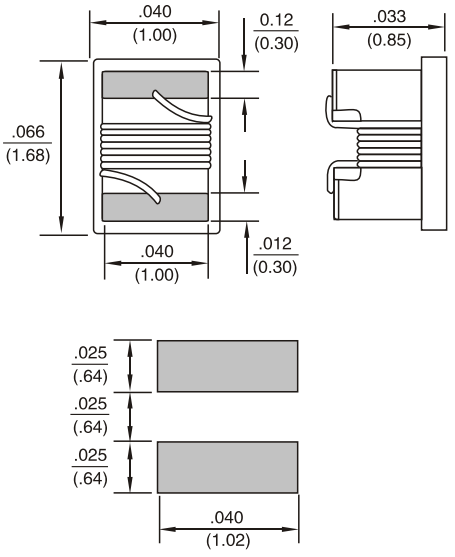
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-0603-0016K	.0016	± 10	24	250	12500	0.030	700
CISC-0603-0018K	.0018	± 10	16	250	12500	0.045	700
CISC-0603-0036K	.0036	± 10	22	250	5900	0.075	700
CISC-0603-0039K	.0039	± 10	22	250	6900	0.080	700
CISC-0603-0043K	.0043	± 10	22	250	5900	0.075	700
CISC-0603-0047K	.0047	± 10	20	250	5800	0.116	700
CISC-0603-0051K	.0051	± 10	20	250	5700	0.120	700
CISC-0603-0068K	.0068	± 10	27	250	5800	0.110	700
CISC-0603-0075K	.0075	± 10	28	250	4800	0.110	700
CISC-0603-0087K	.0087	± 10	28	250	4600	0.120	700
CISC-0603-0095K	.0095	± 10	28	250	5400	0.135	700
CISC-0603-010J	0.010	± 5	31	250	4800	0.130	700
CISC-0603-011J	0.011	± 5	33	250	4000	0.130	700
CISC-0603-012J	0.012	± 5	35	250	4000	0.130	700
CISC-0603-015J	0.015	± 5	35	250	4000	0.150	700
CISC-0603-016J	0.016	± 5	34	250	3300	0.160	700
CISC-0603-018J	0.018	± 5	35	250	3100	0.170	700
CISC-0603-022J	0.022	± 5	38	250	3000	0.190	700
CISC-0603-024J	0.024	± 5	37	250	2650	0.200	700
CISC-0603-027J	0.027	± 5	40	250	2800	0.220	600
CISC-0603-030J	0.030	± 5	37	250	2250	0.220	600
CISC-0603-033J	0.033	± 5	40	250	2300	0.220	600
CISC-0603-036J	0.036	± 5	38	250	2080	0.250	600
CISC-0603-039J	0.039	± 5	40	250	2200	0.250	600
CISC-0603-043J	0.043	± 5	39	250	2000	0.280	600
CISC-0603-047J	0.047	± 5	38	200	2000	0.280	600
CISC-0603-056J	0.056	± 5	38	200	1900	0.280	600
CISC-0603-068J	0.068	± 5	37	200	1700	0.340	400
CISC-0603-072J	0.072	± 5	34	150	1700	0.380	400
CISC-0603-082J	0.082	± 5	34	150	1700	0.480	400
CISC-0603-R10J	0.10	± 5	34	150	1400	0.580	400
CISC-0603-R11J	0.11	± 5	32	150	1350	0.610	300
CISC-0603-R12J	0.12	± 5	32	150	1300	0.650	300
CISC-0603-R15J	0.15	± 5	28	150	990	0.750	280
CISC-0603-R18J	0.18	± 10	25	100	990	1.050	240
CISC-0603-R22K	0.22	± 10	25	100	900	1.200	200
CISC-0603-R27K	0.27	± 10	24	100	900	1.400	170
CISC-0603-R33K	0.33	± 10	24	100	850	1.600	160
CISC-0603-R39K	0.39	± 10	24	100	800	2.200	150

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance: HP4191A
  Q:HP4291A
  SRF:HP8753B
  RDC:measured @ 25℃
- Operating Temperature:
  Ceramic-55℃ to +125℃
- Pad metalization: Tungsten-nickel with gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

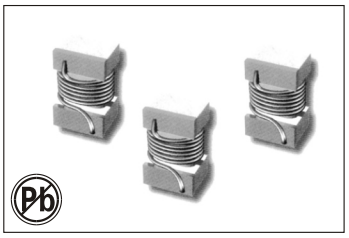
PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

L-KLS18-CISC-0805 SERIES



FEATURES:

- Ceramic Core
- 0805F: Specify Ferrite
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:3000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

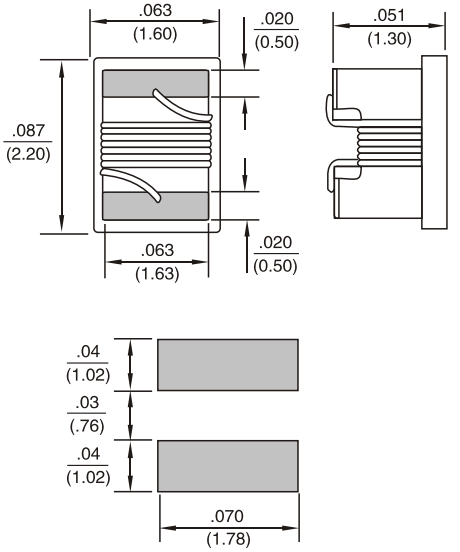
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-0805-0022K	.0022	± 10	50	1500	8500	0.030	800
CISC-0805-0027K	.0027	± 10	50	1500	8000	0.045	800
CISC-0805-0033K	.0033	± 10	50	1500	7900	0.090	600
CISC-0805-0056K	.0056	± 10	65	1000	5500	0.065	600
CISC-0805-0068K	.0068	± 10	50	1000	5500	0.110	600
CISC-0805-0082K	.0082	± 5	50	1000	4700	0.120	600
CISC-0805-010J	0.010	± 5	60	500	4200	0.150	600
CISC-0805-012J	0.012	± 5	50	500	4000	0.150	600
CISC-0805-015J	0.015	± 5	50	500	3400	0.170	600
CISC-0805-018J	0.018	± 5	50	500	3300	0.200	600
CISC-0805-022J	0.022	± 5	55	500	2600	0.220	500
CISC-0805-027J	0.027	± 5	55	500	2500	0.250	500
CISC-0805-033J	0.033	± 5	60	500	2050	0.270	500
CISC-0805-039J	0.039	± 5	60	500	2000	0.290	500
CISC-0805-047J	0.047	± 5	60	500	1650	0.310	500
CISC-0805-056J	0.056	± 5	60	500	1550	0.340	500
CISC-0805-062J	0.062	± 5	60	500	1500	0.380	500
CISC-0805-068J	0.068	± 5	60	500	1450	0.380	500
CISC-0805-082J	0.082	± 5	65	500	1300	0.420	400
CISC-0805-R10J	0.100	± 5	65	500	1200	0.460	400
CISC-0805-R12J	0.120	± 5	50	250	1100	0.510	400
CISC-0805-R15J	0.150	± 5	50	250	920	0.560	400
CISC-0805-R18J	0.180	± 5	50	250	870	0.640	400
CISC-0805-R20J	0.200	± 5	50	250	850	1.000	400
CISC-0805-R22J	0.220	± 5	50	250	850	1.050	400
CISC-0805-R27J	0.270	± 5	48	250	650	1.100	350
CISC-0805-R33J	0.330	± 5	48	250	600	1.400	310
CISC-0805-R39K	0.390	± 10	48	250	560	1.500	290
CISC-0805-R47K	0.470	± 10	33	100	375	1.760	250
CISC-0805-R56K	0.560	± 10	23	50	340	1.900	230
CISC-0805-R62K	0.620	± 10	23	50	320	2.080	200
CISC-0805-R68K	0.680	± 10	23	50	300	2.100	190
CISC-0805-R75K	0.750	± 10	23	50	280	2.120	180
CISC-0805-R82K	0.820	± 10	23	50	250	2.140	180
CISC-0805-R91K	0.910	± 10	23	50	220	2.280	180
CISC-0805-1R0K	1.000	± 10	23	50	200	2.400	170
CISC-0805-1R2K	1.200	± 10	22	50	180	2.550	170
CISC-0805-1R5K	1.500	± 10	21	50	170	2.800	160
CISC-0805-1R8K	1.800	± 10	21	50	160	3.200	150
CISC-0805-2R2K	2.200	± 10	21	50	150	3.800	150
CISC-0805-1R2J	1.200	65	23	7.96	350	1.05	600
CISC-0805-1R5J	1.500	65	23	7.96	300	1.20	580
CISC-0805-1R8J	1.800	65	23	7.96	260	1.35	550
CISC-0805-2R2J	2.200	65	20	7.96	210	1.50	510
CISC-0805-2R7J	2.700	65	20	7.96	160	1.70	460
CISC-0805-3R3J	3.300	65	20	7.96	130	1.80	430
CISC-0805-3R9J	3.900	65	20	7.96	115	1.95	400
CISC-0805-4R7J	4.700	65	20	7.96	105	2.05	370
CISC-0805-5R6J	5.600	65	20	7.96	90	2.30	360
CISC-0805-6R8J	6.800	65	20	7.96	85	2.60	330

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

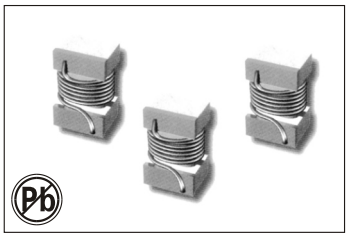
- Testing: (Equivalent acceptable)
  Inductance: HP4191A
  Q:HP4291A
  SRF:HP8753B
  RDC:measured @ 25℃
- Operating Temperature:
  Ceramic–55℃ to +125℃
- Pad metalization: Tungsten–nickel with gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



SURFACE–MOUNT WIRE–WOUND CERAMIC CHIP INDUCTORS

L-KLS18-CISC-1008-SERIES

FEATURES:

- Construction:Ceramic to 1.2 μH
  Ferrite 1.5 μH to 10 μH
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:3000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1008-0039K	.0039	±10	50	1500	6000	0.035	1000
CISC-1008-0047K	.0047	±10	50	1500	6000	0.045	1000
CISC-1008-0056K	.0056	±10	50	1000	6000	0.080	1000
CISC-1008-0082K	.0082	±10	50	1000	5000	0.050	1000
CISC-1008-010J	0.010	±5	50	500	4100	0.080	1000
CISC-1008-012J	0.012	±5	50	500	3300	0.090	1000
CISC-1008-015J	0.015	±5	50	500	2500	0.100	1000
CISC-1008-018J	0.018	±5	50	350	2500	0.110	1000
CISC-1008-022J	0.022	±5	55	350	2400	0.120	1000
CISC-1008-027J	0.027	±5	55	350	1600	0.130	1000
CISC-1008-033J	0.033	±5	60	350	1600	0.140	1000
CISC-1008-039J	0.039	±5	60	350	1500	0.150	1000
CISC-1008-047J	0.047	±5	65	350	1500	0.160	1000
CISC-1008-056J	0.056	±5	65	350	1300	0.180	1000
CISC-1008-062J	0.062	±5	65	350	1300	0.200	1000
CISC-1008-068J	0.068	±5	65	350	1300	0.200	1000
CISC-1008-075J	0.075	±5	60	350	1200	0.200	1000
CISC-1008-082J	0.082	±5	60	350	1000	0.200	1000
CISC-1008-R10J	0.01	±5	60	350	1000	0.560	650
CISC-1008-R12J	0.12	±5	60	350	950	0.630	650
CISC-1008-R15J	0.15	±5	45	100	850	0.700	580
CISC-1008-R18J	0.18	±5	45	100	750	0.770	620
CISC-1008-R20J	0.20	±5	45	100	750	0.800	550

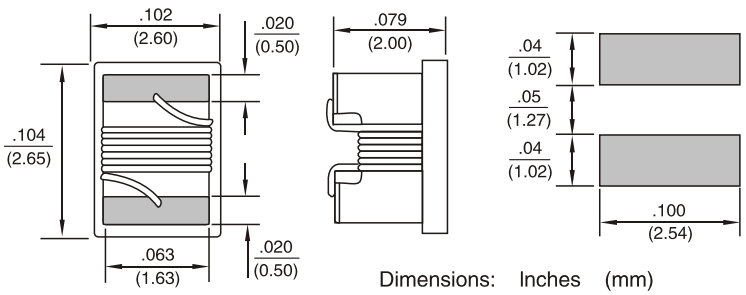
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1008-R22J	0.22	±5	45	100	700	0.840	500
CISC-1008-R24J	0.24	±5	45	100	600	0.880	500
CISC-1008-R27J	0.27	±5	45	100	600	0.910	500
CISC-1008-R33J	0.33	±5	45	100	570	1.050	450
CISC-1008-R39J	0.39	±5	45	100	500	1.120	470
CISC-1008-R47J	0.47	±5	45	100	450	1.190	470
CISC-1008-R56J	0.56	±5	45	100	415	1.330	400
CISC-1008-R62J	0.62	±5	45	100	375	1.400	400
CISC-1008-R68J	0.68	±5	45	100	375	1.470	400
CISC-1008-R75J	0.75	±5	45	100	360	1.540	360
CISC-1008-R82J	0.82	±5	45	100	350	1.610	400
CISC-1008-R91J	0.91	±5	35	50	320	1.680	380
CISC-1008-1R0J	1.00	±5	35	50	290	1.750	370
CISC-1008-1R2J	1.20	±5	35	50	250	2.000	310
CISC-1008-1R5J	1.50	±5	28	50	200	2.300	330
CISC-1008-1R8J	1.80	±5	28	50	160	2.600	300
CISC-1008-2R2J	2.20	±5	28	50	160	2.800	280
CISC-1008-2R7J	2.70	±5	22	25	140	3.200	290
CISC-1008-3R3J	3.30	±5	22	25	110	3.400	290
CISC-1008-3R9J	3.90	±5	20	25	100	3.600	260
CISC-1008-4R7K	4.70	±10	20	25	90	4.000	260
CISC-1008-5R6K	5.60	±10	20	7.9	60	7.600	240
CISC-1008-6R8K	6.80	±10	20	7.9	60	8.200	200

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance: HP4191A
  Q:HP4291A
  SRF:HP8553B
  RDC:measured @ 25℃
- Operating Temperature:
  Ceramic: –55℃ to +125℃
  Ferrite: –55℃ to +85℃
- Pad metalization:
  Ceramic:Tungsten–nickel with gold flash
  Ferrite:Silver–nickel with 90/10 solder
  Optional gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:

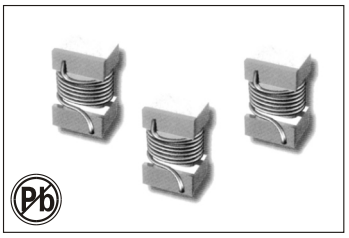


Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566

SURFACE-MOUNT WIRE-WOUND CERAMIC CHIP INDUCTORS

L-KLS18-CISC-1210 SERIES



FEATURES:

- Construction:Ceramic to 1.2 μH
- 1210F Ferrite 1.5 μH to 470 μH
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:3000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1210-0039K	.0039	±10	30	1500	6000	0.050	1000
CISC-1210-0047K	.0047	±10	30	1500	5800	0.065	1000
CISC-1210-0082K	.0082	±10	40	1000	5500	0.070	1000
CISC-1210-010J	0.010	±5	40	1000	4000	0.080	1000
CISC-1210-012J	0.012	±5	40	500	3200	0.080	1000
CISC-1210-015J	0.015	±5	50	500	3200	0.100	1000
CISC-1210-018J	0.018	±5	50	350	2800	0.100	1000
CISC-1210-022J	0.022	±5	50	350	2200	0.100	1000
CISC-1210-027J	0.027	±5	55	350	1800	0.110	1000
CISC-1210-033J	0.033	±5	55	350	1800	0.110	1000
CISC-1210-039J	0.039	±5	55	350	1800	0.120	1000
CISC-1210-043J	0.043	±5	55	350	1500	0.120	1000
CISC-1210-047J	0.047	±5	55	350	1500	0.130	1000
CISC-1210-056J	0.056	±5	55	350	1450	0.140	900
CISC-1210-068J	0.068	±5	55	350	1200	0.150	900
CISC-1210-082J	0.082	±5	55	350	1200	0.200	850
CISC-1210-R10J	0.01	±5	55	350	1100	0.210	800
CISC-1210-R12J	0.12	±5	60	100	1100	0.210	750
CISC-1210-R15J	0.15	±5	60	100	950	0.250	700
CISC-1210-R18J	0.18	±5	60	100	900	0.300	670
CISC-1210-R22J	0.22	±5	60	100	760	0.320	630
CISC-1210-R27J	0.27	±5	55	100	730	0.340	590
CISC-1210-R33J	0.33	±5	45	100	650	0.380	530
CISC-1210-R39J	0.39	±5	45	50	600	0.580	490
CISC-1210-R47J	0.47	±5	45	50	550	0.800	460
CISC-1210-R56J	0.56	±5	45	50	470	1.100	430
CISC-1210-R68J	0.68	±5	45	50	450	1.200	400
CISC-1210-R82J	0.82	±5	45	50	420	1.820	320
CISC-1210-1R0J	1.0	±5	45	50	400	1.850	300
CISC-1210-1R2J	1.2	±5	45	25.2	380	1.870	310
CISC-1210-1R5J	1.5	±5	30	25.2	160	1.950	310
CISC-1210-1R8J	1.8	±5	30	25.2	160	2.250	310
CISC-1210-2R2J	2.2	±5	30	25.2	160	2.410	300
CISC-1210-2R7J	2.7	±5	28	25.2	140	2.850	300
CISC-1210-3R3J	3.3	±5	25	7.96	110	3.120	290
CISC-1210-3R9J	3.9	±5	25	7.96	100	3.600	280

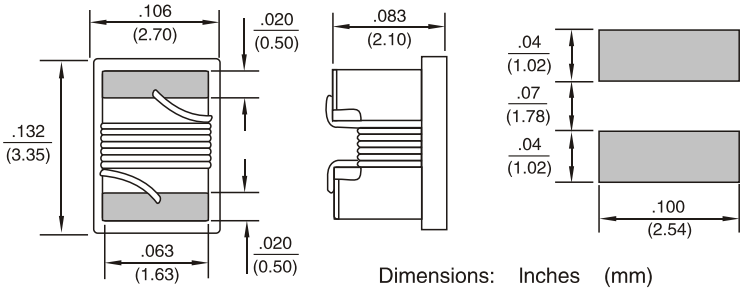
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1210-4R7K	4.70	±10	25	7.96	75	9.0	280
CISC-1210-5R6K	5.60	±10	20	7.96	70	8.0	250
CISC-1210-6R8K	6.80	±10	20	7.96	70	5.0	230
CISC-1210-8R6K	8.60	±10	20	7.96	55	4.0	160
CISC-1210-1R2K	1.2	±10	28	7.96	210	0.3	450
CISC-1210-1R5K	1.5	±10	28	7.96	200	0.4	450
CISC-1210-1R8K	1.8	±10	28	7.96	195	0.5	450
CISC-1210-2R2K	2.2	±10	28	7.96	175	0.6	450
CISC-1210-2R7K	2.7	±10	28	7.96	160	0.7	420
CISC-1210-3R3K	3.3	±10	28	7.96	120	1.1	380
CISC-1210-3R9K	3.9	±10	28	7.96	110	1.2	360
CISC-1210F-4R7K	4.7	±10	28	7.96	105	1.3	350
CISC-1210F-5R6K	5.6	±10	28	7.96	100	2.0	320
CISC-1210F-6R8K	6.8	±10	28	7.96	80	1.5	310
CISC-1210F-6R2K	8.2	±10	28	7.96	75	1.6	305
CISC-1210F-100K	10	±10	25	2.52	70	1.0	300
CISC-1210F-120K	12	±10	25	2.52	65	1.2	265
CISC-1210F-150K	15	±10	25	2.52	60	2.0	225
CISC-1210F-180K	18	±10	25	2.52	45	2.1	210
CISC-1210F-220K	22	±10	25	2.52	35	2.2	200
CISC-1210F-270K	27	±10	25	2.52	30	2.6	180
CISC-1210F-330K	33	±10	25	2.52	23	2.9	160
CISC-1210F-390K	39	±10	25	2.52	21	3.7	150
CISC-1210F-470K	47	±10	25	2.52	20	4.8	140
CISC-1210F-560K	56	±10	25	2.52	15	5.1	125
CISC-1210F-680K	68	±10	25	2.52	15	4.7	110
CISC-1210F-820K	82	±10	25	2.52	13	5.6	100
CISC-1210F-101K	100	±10	15	0.796	6.0	6.5	95
CISC-1210F-121K	120	±10	15	0.796	5.0	7.1	85
CISC-1210F-151K	150	±10	15	0.796	4.5	8.2	80
CISC-1210F-181K	180	±10	15	0.796	3.0	12.5	70
CISC-1210F-221K	220	±10	15	0.796	3.0	15.3	65
CISC-1210F-271K	270	±10	15	0.796	2.5	16.4	60
CISC-1210F-331K	330	±10	15	0.796	2.3	17.8	55
CISC-1210F-391K	390	±10	10	0.796	2.2	19.5	45
CISC-1210F-471K	470	±10	10	0.796	2.0	21.0	40

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance: HP4191A Q:HP4291A
  SRF:HP8553B RDC:measured @ 25℃
- Operating Temperature:
  Ceramic: −55℃ to +125℃Ferrite: −55℃ to +85℃
- Pad metalization:
  Ceramic:Tungsten−nickel with gold flash
  Ferrite:Silver−nickel with 90/10 solder Optional gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

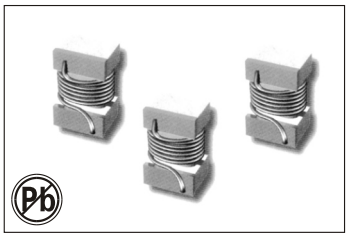
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



SURFACE-MOUNT WIRE-WOUND FERRITE CHIP INDUCTORS

L-KLS18-CISC-1812 SERIES

FEATURES:

- Construction:Ferrite Core
- High frequency design
- Excellent Q values
- Excellent SRF
- High reliability
- Excellent thermal stability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:500pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Telecommunications Systems

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1812F-1R0K	1.0	±10	30	7.96	200	0.20	1000
CISC-1812F-1R2K	1.2	±10	30	7.96	200	0.21	1000
CISC-1812F-1R5K	1.5	±10	30	7.96	180	0.22	1000
CISC-1812F-1R8K	1.8	±10	35	7.96	160	0.24	950
CISC-1812F-2R2K	2.2	±10	35	7.96	150	0.25	900
CISC-1812F-2R7K	2.7	±10	35	7.96	145	0.30	850
CISC-1812F-3R3K	3.3	±10	35	7.96	140	0.32	800
CISC-1812F-3R9K	3.9	±10	35	7.96	135	0.40	750
CISC-1812F-4R7K	4.7	±10	35	7.96	120	0.50	700
CISC-1812F-5R6K	5.6	±10	35	7.96	110	0.55	650
CISC-1812F-6R8K	6.8	±10	35	7.96	98	0.80	600
CISC-1812F-8R2K	8.2	±10	35	7.96	95	0.85	600
CISC-1812F-100K	10	±10	30	2.52	75	1.0	550
CISC-1812F-120K	12	±10	30	2.52	70	1.1	550
CISC-1812F-150K	15	±10	30	2.52	60	1.2	500
CISC-1812F-180K	18	±10	30	2.52	29	1.2	500
CISC-1812F-220K	22	±10	30	2.52	25	1.3	450
CISC-1812F-270K	27	±10	28	2.52	22	1.5	400
CISC-1812F-330K	33	±10	28	2.52	18	1.7	350

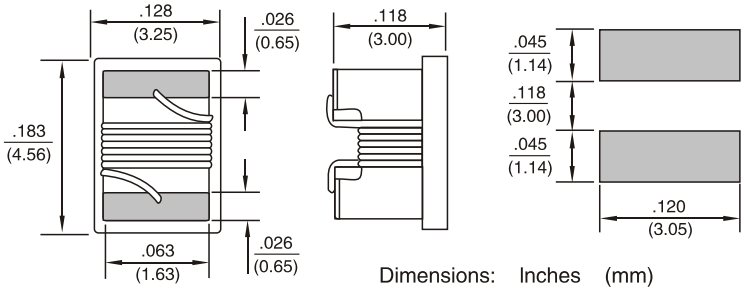
Part Number	L (μH)	Tol %	Q Min	Test Freq MHz	SRF MHz Min	DCR Ω Max	IDC Max mA
CISC-1812F-390K	39	±10	28	2.52	14	1.8	350
CISC-1812F-470K	47	±10	28	2.52	14	2.0	300
CISC-1812F-560K	56	±10	25	2.52	14	2.2	290
CISC-1812F-680K	68	±10	20	2.52	5.4	2.4	260
CISC-1812F-820K	82	±10	20	2.52	5.4	2.8	240
CISC-1812F-101K	100	±10	20	0.796	4.2	3.0	220
CISC-1812F-121K	120	±10	20	0.796	3.3	3.3	220
CISC-1812F-151K	150	±10	20	0.796	3.0	3.7	200
CISC-1812F-181K	180	±10	20	0.796	3.0	4.0	200
CISC-1812F-221K	220	±10	15	0.796	2.5	7.0	170
CISC-1812F-271K	270	±10	15	0.796	2.5	7.6	160
CISC-1812F-331K	330	±10	15	0.796	2.0	8.5	150
CISC-1812F-391K	390	±10	15	0.796	2.0	9.2	130
CISC-1812F-471K	470	±10	10	0.796	2.0	10.4	120
CISC-1812F-561K	560	±10	10	0.796	2.0	12.0	110
CISC-1812F-681K	680	±10	10	0.796	1.8	14.0	100
CISC-1812F-821K	820	±10	10	0.796	1.6	15.0	95
CISC-1812F-102K	1000	±10	10	0.252	1.6	16.5	90

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance: HP4191A
  Q:HP4291A
  SRF:HP8553B
  RDC:measured @ 25℃
- Operating Temperature:Ceramic–55℃ to +125℃
- Pad metalization: Tungsten–nickel with gold flash
- Solder methods: Wave, Reflow, Vapor Phase
- Solderability: Max 260℃ for 10 seconds
- Marking: EIA color code

Note:1. K=±10%,M=±20%,N=±30%

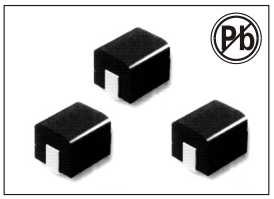
PHYSICAL CHARACTERISTICS:



Dimensions: Inches (mm)

SURFACE–MOUNT WOUND MOLDED CHIP INDUCTORS

L-KLS18-CM252016 SERIES



FEATURES:

- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile
- Lead free are RoHS complaint

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs DC/DC Converts
- Video Cameras CTV, VCR HIC
- Communication System
- Automotive Systems
- LCD/PDP Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM252016-R010K	.010	±10	10	2150	0.26	530	100
CM252016-R012K	.012	±10	15	2050	0.27	500	100
CM252016-R015K	.015	±10	15	1850	0.31	480	100
CM252016-R018K	.018	±10	15	1650	0.34	450	100
CM252016-R022K	.022	±10	15	1550	0.38	420	100
CM252016-R027K	.027	±10	15	1400	0.42	410	100
CM252016-R033K	.033	±10	15	1250	0.46	400	100
CM252016-R039K	.039	±10	20	1100	0.50	380	100
CM252016-R047K	0.47	±10	20	1050	0.56	360	100
CM252016-R056K	0.56	±10	20	950	0.65	340	100
CM252016-R068K	0.68	±10	20	900	0.70	320	100
CM252016-R082K	0.82	±10	20	850	0.75	300	100
CM252016-R10K	.10	±10	20	700	0.80	280	100
CM252016-R12K	.12	±10	30	600	0.37	520	25.2
CM252016-R15K	.15	±10	30	550	0.42	480	25.2
CM252016-R18K	.18	±10	30	500	0.46	460	25.2
CM252016-R22K	.22	±10	30	450	0.52	430	25.2
CM252016-R27K	.27	±10	30	425	0.56	420	25.2
CM252016-R33K	.33	±10	30	400	0.60	400	25.2
CM252016-R39K	.39	±10	30	375	0.65	375	25.2
CM252016-R47K	.47	±10	30	350	0.68	350	25.2
CM252016-R56K	.56	±10	30	300	0.75	325	25.2
CM252016-R68K	.68	±10	30	270	0.85	300	25.2
CM252016-R82K	.82	±10	30	250	1.00	260	25.2
CM252016-1R0J	1.00	±5	30	220	1.10	245	7.96

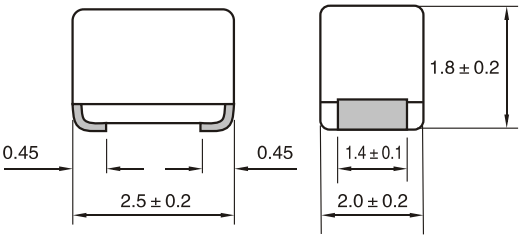
Part Number	L μH	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM252016-1R2J	1.2	±5	30	180	1.20	230	7.96
CM252016-1R5J	1.5	±5	30	135	1.30	200	7.96
CM252016-1R8J	1.8	±5	30	100	1.45	210	7.96
CM252016-2R2J	2.2	±5	30	75	1.55	200	7.96
CM252016-2R7J	2.7	±5	30	55	1.70	195	7.96
CM252016-3R3J	3.3	±5	30	48	1.90	185	7.96
CM252016-3R9J	3.9	±5	30	43	2.10	180	7.96
CM252016-4R7J	4.7	±5	30	40	2.30	175	7.96
CM252016-5R6J	5.6	±5	25	36	2.50	170	7.96
CM252016-6R8J	6.8	±5	25	33	2.70	165	7.96
CM252016-8R2J	8.2	±5	25	30	3.05	160	7.96
CM252016-100J	10	±5	25	27	3.50	155	2.52
CM252016-120J	12	±5	25	23	3.80	150	2.52
CM252016-150J	15	±5	25	20	4.40	140	2.52
CM252016-180J	18	±5	25	18	4.80	130	2.52
CM252016-220J	22	±5	25	17	5.50	125	2.52
CM252016-270J	27	±5	25	16	6.30	115	2.52
CM252016-330J	33	±5	20	15	7.10	110	2.52
CM252016-390J	39	±5	20	14	9.50	90	2.52
CM252016-470J	47	±5	20	13	11.10	80	2.25
CM252016-560J	56	±5	20	12	12.10	75	2.52
CM252016-680J	68	±5	20	11	16.60	70	2.52
CM252016-820J	82	±5	20	10	19.00	65	2.52
CM252016-101J	100	±5	15	9	21.00	60	0.796

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Q: .010 μH to .10 μH––HP4291A
  .12 μH to 100 μH––HP4285A
  SRF: .010 μH to .10 μH––HP8720B
  .12 μH to 100 μH––HP4191A
  RDC: QuadTech 1880 Milliohmmeter
- Inductance:.010 μH to .10 μH––HP4291A: .12 μH to 100 μH––HP4285A
- Solderability:90% Terminal coverage Preheat @ 230℃±5℃ for 5±.5 seconds
  Flux: Methanol solution with 25% colophony
- IDC:The maximum DCvalue having L decrease within 10% and Temperature Increase only 20℃ with the application of DC bias
- Operating Temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃

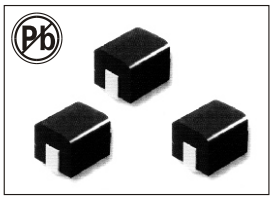
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



Dimensions: mm

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



SURFACE–MOUNT WOUND MOLDED CHIP INDUCTORS

L-KLS18-CM32522 SERIES

FEATURES:

- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

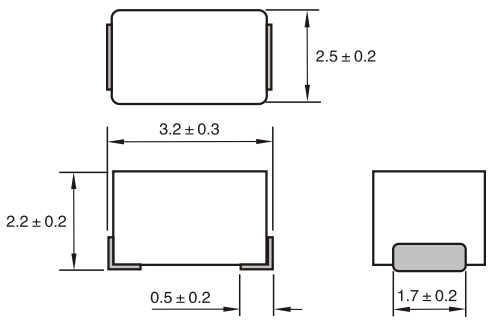
Part Number	L μH	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM32522-R12M	0.12	±20	30	500	0.22	450	25.2
CM32522-R15M	0.15	±20	30	450	0.25	450	25.2
CM32522-R18M	0.18	±20	30	400	0.28	450	25.2
CM32522-R22M	0.22	±20	30	350	0.32	450	25.2
CM32522-R27M	0.27	±20	30	320	0.36	450	25.2
CM32522-R33M	0.33	±20	30	300	0.40	450	25.2
CM32522-R39M	0.39	±20	30	250	0.45	450	25.2
CM32522-R47M	0.47	±20	30	220	0.50	450	25.2
CM32522-R56M	0.56	±20	30	180	0.55	450	25.2
CM32522-R68M	0.68	±20	30	160	0.60	450	25.2
CM32522-R82M	0.82	±20	30	140	0.65	450	25.2
CM32522-1R0K	1.0	±10	30	120	0.70	400	7.96
CM32522-1R2K	1.2	±10	30	100	0.75	390	7.96
CM32522-1R5K	1.5	±10	30	85	0.85	370	7.96
CM32522-1R8K	1.8	±10	30	80	0.90	350	7.96
CM32522-2R2K	2.2	±10	30	75	1.0	320	7.96
CM32522-2R7K	2.7	±10	30	70	1.1	290	7.96
CM32522-3R3K	3.3	±10	30	60	1.2	270	7.96
CM32522-3R9K	3.9	±10	30	55	1.3	250	7.96
CM32522-4R7K	4.7	±10	30	50	1.5	220	7.96
CM32522-5R6K	5.6	±10	30	47	1.6	200	7.96
CM32522-6R8K	6.8	±10	30	43	1.8	180	7.96
CM32522-8R2K	8.2	±10	30	40	2.0	170	7.96
CM32522-100K	10	±10	30	36	2.1	150	2.52
CM32522-120K	12	±10	30	33	2.5	140	2.52
CM32522-150K	15	±10	30	30	2.8	130	2.52
CM32522-180K	18	±10	30	27	3.3	120	2.52
CM32522-220K	22	±10	30	25	3.7	110	2.52
CM32522-270K	27	±10	30	20	5.0	80	2.52
CM32522-330K	33	±10	30	17	5.6	70	2.52
CM32522-390K	39	±10	30	16	6.4	65	2.52
CM32522-470K	47	±10	30	15	7.0	60	2.52
CM32522-560K	56	±10	30	13	8.0	55	2.52
CM32522-680K	68	±10	30	12	9.0	50	2.52
CM32522-820K	82	±10	30	11	10	45	2.52
CM32522-101K	100	±10	20	10	10	40	0.796
CM32522-121K	120	±10	20	10	11	70	0.796
CM32522-151K	150	±10	20	8	15	65	0.796
CM32522-181K	180	±10	20	7	17	60	0.796
CM32522-221K	220	±10	20	7	21	50	0.796
CM32522-271K	270	±10	20	6	28	45	0.796
CM32522-331K	330	±10	20	5	34	40	0.796
CM32522-391K	390	±10	20	5	42	35	0.796
CM32522-471K	470	±10	20	4	40	25	0.796

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:HP4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q: HP4342A
  SRF:HP4291A
- IDC Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: –25℃ to +85℃
- Storage Temperature: –40℃ to +85℃
- Solder methods: Wave,Vapor Phase,Infrared
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

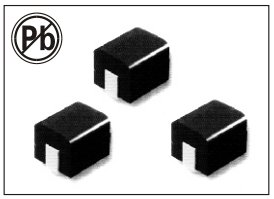
PHYSICAL CHARACTERISTICS:



Dimensions: mm

SURFACE–MOUNT WOUND MOLDED CHIP INDUCTORS

L-KLS18-CM453232 SERIES



FEATURES:

- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:5000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM453232-R10M	.10	± 20	35	300	0.18	800	25.2
CM453232-R12M	.12	± 20	35	280	0.20	770	25.2
CM453232-R15M	.15	± 20	35	250	0.22	730	25.2
CM453232-R18M	.18	± 20	35	220	0.24	700	25.2
CM453232-R22M	.22	± 20	40	200	0.25	665	25.2
CM453232-R27M	.27	± 20	40	180	0.26	635	25.2
CM453232-R33M	.33	± 20	40	165	0.28	605	25.2
CM453232-R39M	.39	± 20	40	150	2.30	575	25.2
CM453232-R47M	.47	± 20	40	145	0.32	545	25.2
CM453232-R56M	.56	± 20	40	140	0.36	520	25.2
CM453232-R68M	.68	± 20	40	135	0.40	500	25.2
CM453232-R82M	.82	± 20	40	130	0.45	475	25.2
CM453232-1R0K	1.0	± 10	50	100	0.50	450	7.96
CM453232-1R2K	1.2	± 10	50	80	0.55	430	7.96
CM453232-1R8K	1.8	± 10	50	60	0.65	390	7.96
CM453232-2R2K	2.2	± 10	50	55	0.70	380	7.96
CM453232-3R3K	3.3	± 10	50	45	0.80	355	7.96
CM453232-3R9K	3.9	± 10	50	40	0.90	330	7.96
CM453232-4R7K	4.7	± 10	50	35	1.00	315	7.96
CM453232-5R6K	5.6	± 10	50	33	1.10	300	7.96
CM453232-6R8K	6.8	± 10	50	27	1.20	285	7.96
CM453232-8R2K	8.2	± 10	50	25	1.40	270	7.96
CM453232-100K	10	± 10	50	20	1.60	250	2.52
CM453232-120K	12	± 10	50	18	2.00	225	2.52

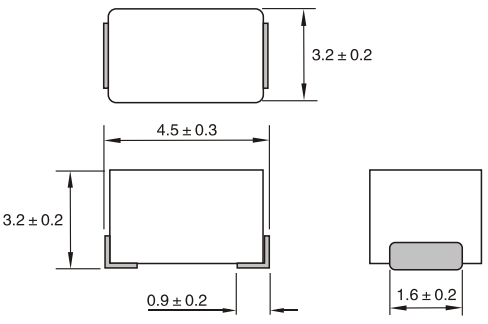
Part Number	L μH	Tol %	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM453232-150K	15	± 10	50	17	2.50	200	2.52
CM453232-180K	18	± 10	50	15	2.80	190	2.52
CM453232-220K	22	± 10	50	13	3.20	180	2.52
CM453232-270K	27	± 10	50	12	3.60	170	2.52
CM453232-330K	33	± 10	50	11	4.00	160	2.52
CM453232-390K	39	± 10	50	10	4.50	150	2.52
CM453232-470K	47	± 10	50	10	5.00	140	2.52
CM453232-560K	56	± 10	50	9.0	5.50	135	2.52
CM453232-680K	68	± 10	50	9.0	6.00	130	2.52
CM453232-820K	82	± 10	50	8.0	7.00	120	2.52
CM453232-101K	100	± 10	40	8.0	8.00	110	.796
CM453232-121K	120	± 10	40	6.0	8.00	110	.796
CM453232-151K	150	± 10	40	5.0	9.00	105	.796
CM453232-181K	180	± 10	40	5.0	9.50	102	.796
CM453232-221K	220	± 10	40	4.0	10.0	100	.796
CM453232-271K	270	± 10	40	4.0	12.0	92	.796
CM453232-331K	330	± 10	40	3.5	14.0	85	.796
CM453232-391K	390	± 10	40	3.0	18.0	80	.796
CM453232-471K	470	± 10	40	3.0	26.0	62	.796
CM453232-561K	560	± 10	30	3.0	30.0	50	.796
CM453232-681K	680	± 10	30	3.0	30.0	50	.796
CM453232-821K	820	± 10	30	2.5	35.0	30	.796
CM453232-102K	1000	± 10	20	2.5	40.0	30	.252

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:HP4285A
  RDC:QuadTech 1880 Milliohmmeter –Q– HP4342A – SRF–HP4191A
- IDC Max:Determined when superimposed
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



Dimensions: (mm)

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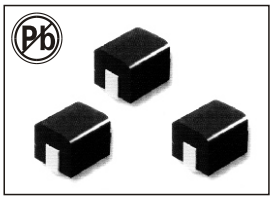


SURFACE–MOUNT WOUND MOLDED CHIP INDUCTORS

L-KLS18-CM2220 SERIES

FEATURES:

- Molded construction
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:500pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz	Part Number	L μH	Q Min	SRF MHz Min	DCR Ω Max	IDC Max mA	Test Freq MHz
CM2220-1R0K	1.00	10	95	0.030	1800	7.96	CM2220-121K	120	20	5.4	1.9	230	0.796
CM2220-1R2K	1.20	10	70	0.035	1700	7.96	CM2220-151K	150	20	4.8	2.2	210	0.796
CM2220-1R5K	1.50	10	55	0.04	1600	7.96	CM2220-181K	180	20	4.4	2.8	190	0.796
CM2220-1R8K	1.80	10	47	0.05	1400	7.96	CM2220-221K	220	20	3.9	3.4	170	0.796
CM2220-2R2K	2.20	10	42	0.06	1300	7.96	CM2220-271K	270	20	3.6	4.2	155	0.796
CM2220-2R7K	2.70	10	37	0.07	1200	7.96	CM2220-331K	330	20	3.2	4.9	140	0.796
CM2220-3R3K	3.30	10	34	0.08	1120	7.96	CM2220-391K	390	20	2.9	5.8	130	0.796
CM2220-3R9K	3.90	10	32	0.09	1050	7.96	CM2220-471K	470	20	2.6	7.0	120	0.796
CM2220-4R7K	4.70	10	29	0.11	950	7.96	CM2220-561K	560	20	2.4	8.5	110	0.796
CM2220-5R6K	5.60	10	26	0.13	880	7.96	CM2220-681K	680	20	2.2	10	100	0.796
CM2220-6R8K	6.80	10	24	0.15	810	7.96	CM2220-821K	820	20	2.0	13	90	0.796
CM2220-8R2K	8.20	10	22	0.18	750	7.96	CM2220-102K	1000	20	1.8	15	85	0.252
CM2220-100K	10.00	10	19	0.21	690	2.52	CM2220-122J	1200	30	1.5	17	75	0.252
CM2220-120K	12.00	10	17	0.25	630	2.52	CM2220-152J	1500	30	1.4	20	70	0.252
CM2220-150K	15.00	10	16	0.30	580	2.52	CM2220-182J	1800	30	1.3	30	60	0.252
CM2220-180K	18.00	10	14	0.36	530	2.52	CM2220-222J	2200	30	1.2	35	55	0.252
CM2220-220K	22.00	10	13	0.43	480	2.52	CM2220-272J	2700	30	1.1	55	45	0.252
CM2220-270K	27.00	10	11.5	0.52	440	2.52	CM2220-332J	3300	30	1.0	60	40	0.252
CM2220-330K	33.00	10	10.5	0.62	400	2.52	CM2220-392J	3900	30	1.0	70	38	0.252
CM2220-390K	39.00	10	9.5	0.72	370	2.52	CM2220-472J	4700	30	0.9	78	36	0.252
CM2220-470K	47.00	10	8.5	0.85	340	2.52	CM2220-562J	5600	30	0.8	85	33	0.252
CM2220-560K	56.00	10	7.8	1.0	310	2.52	CM2220-682J	6800	30	0.7	110	30	0.252
CM2220-680K	68.00	10	7.0	1.2	290	2.52	CM2220-822J	8200	30	0.6	125	28	0.252
CM2220-820K	82.00	10	6.4	1.4	270	2.52	CM2220-103J	10000	20	0.5	150	25	0.0796
CM2220-101K	100	20	6.0	1.6	250	0.796							

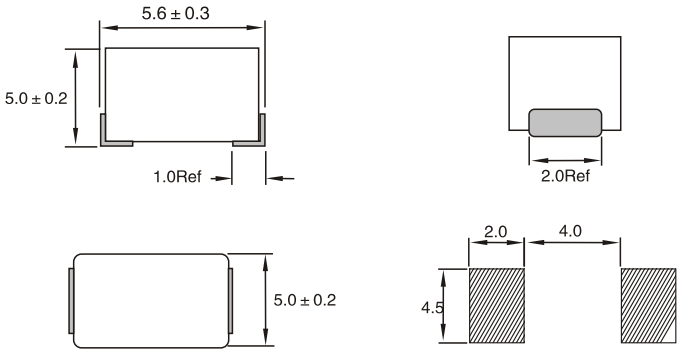
Note:1. J ± 5,%=K= ± 10%,M= ± 20%,

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:HP4285A
  RDC:QuadTech 1880 Milliohmmeter
  –Q– HP4342A – SRF–HP4191A
- IDC Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

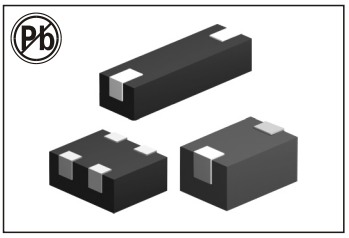
PHYSICAL CHARACTERISTICS:



Dimensions: (mm)

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND BEADS

L-KLS18-SMB SERIES



FEATURES:

- High Frequency Design
- Lower DCR permits High Idc
- EMI Suppression
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATIONS

Part Number	IMPEDANCE (Ω)		DCR (mΩ)	IDC (A)	DIMENSIONS(mm)					
	25MHz	100MHz			A	B	C	D	E	Fig Number
SMB302520M	20	30	0.8	6	3.0±0.15	2.5±0.15	2.0±0.15	1.15±0.15		Fig1
SMB473029M	30	47	0.8	6	4.7±0.15	3.0±0.15	2.9±0.15	1.5±0.2		
SMB903029M	33	45	1.2	6	9.0±0.15	3.0±0.15	2.9±0.15	1.5±0.2		
SMB403025M	70	94	0.8	6	4.0±0.15	3.1±0.15	2.6±0.15	1.35±0.2		
SMB853025M	60	90	1.2	6	8.5±0.15	3.1±0.15	2.6±0.15	2.0±0.2		
SMB488031M	68	100	0.6	6	8.0±0.15	4.8±0.15	3.1±0.15	1.5±0.2		
SMB275647M	22	38	0.8	6	4.76±0.15	5.59±0.15	2.72±0.15	1.46±0.15	2.5±0.15	Fig2

Note:1. K=±10%,M=±20% DIMENSIONS:mm

TECHNICAL INFORMATION:

- Impendance Testing: HP4191A,
- RDC:QuadTech 1880 Milliohmmeter
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

Fig1

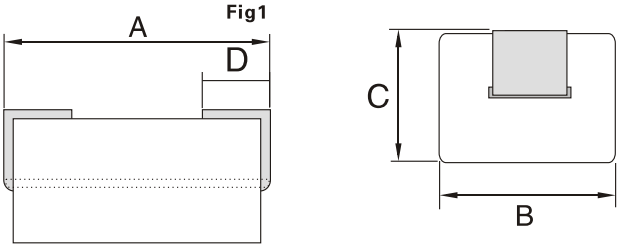
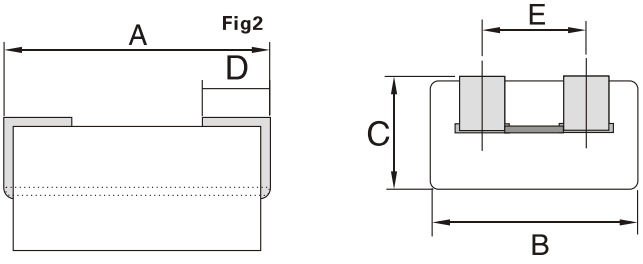


Fig2



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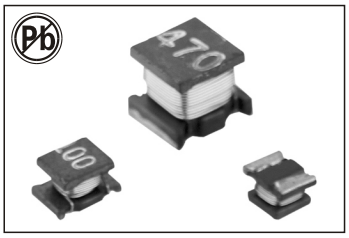


HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPE SERIES

FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 1008 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPE2520-1R0M	1.0	1	35	1	100	0.078	300
SPE2520-1R2M	1.2	1	35	1	100	0.090	290
SPE2520-1R5M	1.5	1	35	1	75	0.10	280
SPE2520-1R8M	1.8	1	35	1	60	0.11	270
SPE2520-2R2M	2.2	1	35	1	50	0.12	250
SPE2520-2R7M	2.7	1	35	1	43	0.20	240
SPE2520-3R3M	3.3	1	35	1	38	0.24	230
SPE2520-3R9M	3.9	1	35	1	35	0.28	220
SPE2520-4R7M	4.7	1	35	1	31	0.30	210
SPE2520-5R6M	5.6	1	35	1	28	0.34	205
SPE2520-6R8M	6.8	1	35	1	25	0.44	200
SPE2520-8R2M	8.2	1	35	1	23	0.59	195
SPE2520-100K	10	1	35	1	20	0.68	190
SPE2520-120K	12	1	35	1	18	0.77	185
SPE2520-150K	15	1	35	1	16	0.87	180
SPE2520-180K	18	1	35	1	15	1.20	175
SPE2520-220K	22	1	40	1	14	1.34	170
SPE2520-270K	27	1	40	1	13	1.86	165
SPE2520-330K	33	1	40	1	12	2.10	160
SPE2520-390K	39	1	40	1	11	2.35	155
SPE2520-470K	47	1	40	1	11	3.30	150
SPE2520-560K	56	1	40	1	10	3.70	145
SPE2520-680K	68	1	40	1	9.0	6.00	135
SPE2520-820K	82	1	40	1	8.0	6.90	125
SPE2520-101K	100	1	40	1	8.0	7.75	110

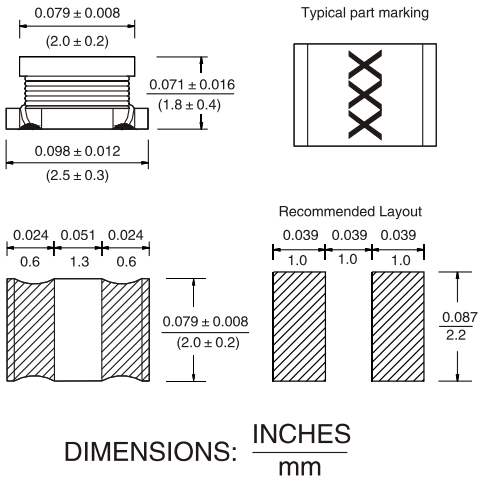
Note:1. K= ± 10%,M= ± 20%

SPE2520-100M

Model

Value/Tolerance:from table

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

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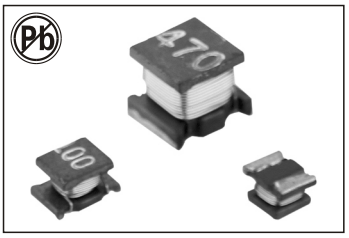
HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPE3218 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

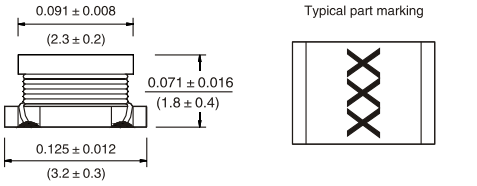
OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

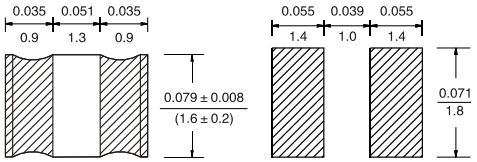
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS



Typical part marking

Recommended Layout



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

STANDARD SPECIFICATION

Part Number (LQH 1206 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPE3218-1R0M	1.0	1	35	1	100	0.49	175
SPE3218-1R2M	1.2	1	35	1	90	0.90	165
SPE3218-1R5M	1.5	1	35	1	75	1.00	155
SPE3218-1R8M	1.8	1	35	1	60	1.60	150
SPE3218-2R2M	2.2	1	35	1	50	0.70	140
SPE3218-2R7M	2.7	1	35	1	43	0.55	135
SPE3218-3R3M	3.3	1	35	1	38	0.61	130
SPE3218-3R9M	3.9	1	35	1	35	1.50	125
SPE3218-4R7M	4.7	1	35	1	31	1.70	120
SPE3218-5R6M	5.6	1	35	1	28	1.80	115
SPE3218-6R8M	6.8	1	35	1	25	2.00	110
SPE3218-8R2M	8.2	1	35	1	23	2.20	105
SPE3218-100K	10	1	35	1	20	2.50	100
SPE3218-120K	12	1	35	1	18	2.70	95
SPE3218-150K	15	1	35	1	16	3.00	90
SPE3218-180K	18	1	35	1	15	3.40	85
SPE3218-220K	22	1	40	1	14	3.10	85
SPE3218-270K	27	1	40	1	13	3.40	85
SPE3218-330K	33	1	40	1	12	3.80	80
SPE3218-390K	39	1	40	1	11	7.20	85
SPE3218-470K	47	1	40	1	10	8.00	85
SPE3218-560K	56	1	40	1	9.0	8.90	50
SPE3218-680K	68	1	40	1	8.5	9.90	50
SPE3218-820K	82	1	40	1	7.5	11.00	45
SPE3218-101K	100	1	40	1	7.0	12.00	45

Note:1. K= ± 10%,M= ± 20%

SPE3218-100M

Model

Value/Tolerance:from table

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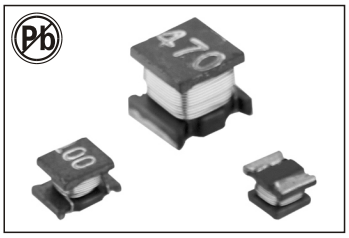


HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPE3220 SERIES

FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

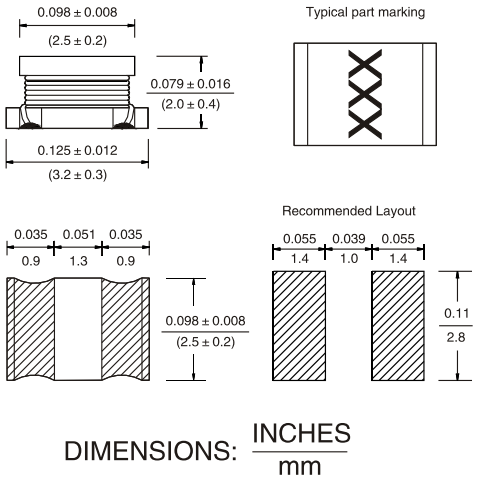
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 1210 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPE3220-R10M	0.1	1	10	25.2	200	0.25	700
SPE3220-R18M	0.18	1	10	25.2	200	0.25	650
SPE3220-R27M	0.27	1	10	25.2	200	0.25	600
SPE3220-R39M	0.39	1	10	25.2	200	0.25	530
SPE3220-R56M	0.56	1	10	25.2	160	0.25	530
SPE3220-R68M	0.68	1	10	25.2	160	0.25	470
SPE3220-R82M	0.82	1	10	25.21	120	0.25	450
SPE3220-1R0M	1.0	1	10	1	100	0.5	445
SPE3220-1R2M	1.2	1	10	1	100	0.6	425
SPE3220-1R5M	1.5	1	10	1	75	0.6	400
SPE3220-1R8M	1.8	1	10	1	60	0.7	390
SPE3220-2R2M	2.2	1	10	1	50	0.8	370
SPE3220-2R7M	2.7	1	10	1	43	0.9	320
SPE3220-3R3M	3.3	1	10	1	38	1.0	300
SPE3220-3R9M	3.9	1	10	1	35	1.1	290
SPE3220-4R7M	4.7	1	20	1	31	1.2	270
SPE3220-5R6M	5.6	1	20	1	28	1.3	250
SPE3220-6R8M	6.8	1	20	1	25	1.5	240
SPE3220-8R2M	8.2	1	20	1	23	1.6	225
SPE3220-100K	10	1	25	1	20	1.8	190
SPE3220-120K	12	1	25	1	18	2.0	180
SPE3220-150K	15	1	25	1	16	2.2	170
SPE3220-180K	18	1	25	1	15	2.5	165
SPE3220-220K	22	1	25	1	14	2.8	150
SPE3220-270K	27	1	25	1	13	3.1	125
SPE3220-330K	33	1	25	1	12	3.5	115
SPE3220-390K	39	1	25	1	11	3.9	110
SPE3220-470K	47	1	25	1	11	4.3	100
SPE3220-560K	56	1	25	1	10	4.9	85
SPE3220-680K	68	1	25	1	9.0	5.5	80
SPE3220-820K	82	1	25	1	8.5	6.2	70
SPE3220-101K	100	1	30	0.796	8.0	7.0	80
SPE3220-121K	120	1	30	0.796	7.5	8.0	75
SPE3220-151K	150	1	30	0.796	7.0	9.3	70
SPE3220-181K	180	1	30	0.796	6.0	10.2	65
SPE3220-221K	220	1	30	0.796	5.5	11.8	65
SPE3220-271K	270	1	30	0.796	5.0	12.5	65
SPE3220-331K	330	1	30	0.796	5.0	13.0	65
SPE3220-391K	390	1	30	0.796	5.0	22.0	50
SPE3220-471K	470	0.001	30	0.796	5.0	25.0	45
SPE3220-561K	560	0.001	30	0.796	5.0	28.0	40

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

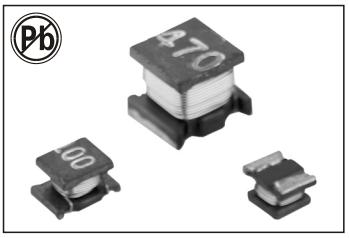
- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

SPE3220-100M
Model
Value/Tolerance:from table

HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPE4526 SERIES



FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

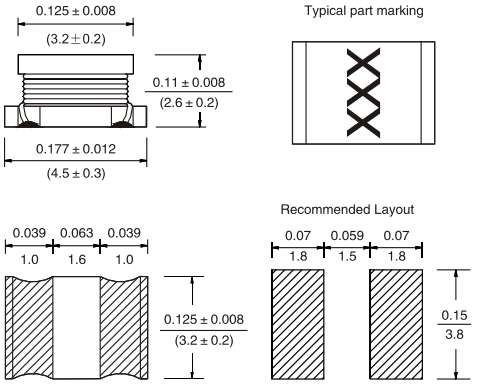
OPTIONS:

- Tape & Reel is Standard (Qty:500pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

SPE4526-100M
Model
Value/Tolerance:from table

STANDARD SPECIFICATION

Part Number (LQH 1812 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPE4526-1R0M	1.0	1	20	1	120	0.20	550
SPE4526-1R2M	1.2	1	20	1	100	0.25	530
SPE4526-1R5M	1.5	1	20	1	85	0.28	500
SPE4526-1R8M	1.8	1	20	1	75	0.30	500
SPE4526-2R2M	2.2	1	20	1	62	0.30	500
SPE4526-2R7M	2.7	1	20	1	53	0.32	500
SPE4526-3R3M	3.3	1	20	1	47	0.35	500
SPE4526-3R9M	3.9	1	20	1	42	0.38	500
SPE4526-4R7M	4.7	1	30	1	38	0.40	500
SPE4526-5R6M	5.6	1	30	1	35	0.47	500
SPE4526-6R8M	6.8	1	30	1	32	0.50	500
SPE4526-8R2M	8.2	1	30	1	28	0.56	500
SPE4526-100K	10	1	35	1	24	0.56	450
SPE4526-120K	12	1	35	1	22	0.62	450
SPE4526-150K	15	1	35	1	19	0.73	390
SPE4526-180K	18	1	35	1	17	0.82	370
SPE4526-220K	22	1	35	1	15	0.94	350
SPE4526-270K	27	1	35	1	14	1.1	330
SPE4526-330K	33	1	35	1	12	1.2	310
SPE4526-390K	39	1	35	1	11	1.4	280
SPE4526-470K	47	1	35	1	10	1.5	250
SPE4526-560K	56	1	35	1	9.5	1.7	225
SPE4526-680K	68	1	35	1	8.5	1.9	200
SPE4526-820K	82	1	35	1	7.5	2.2	185
SPE4526-101K	100	1	35	0.796	8.8	2.5	175
SPE4526-121K	120	1	40	0.796	6.2	3.0	165
SPE4526-151K	150	1	40	0.796	5.5	3.7	155
SPE4526-181K	180	1	40	0.796	5.0	4.5	135
SPE4526-221K	220	1	40	0.796	4.5	5.4	125
SPE4526-271K	270	1	40	0.796	4.0	6.8	115
SPE4526-331K	330	1	40	0.796	3.7	8.2	100
SPE4526-391K	390	1	40	0.796	3.3	9.7	90
SPE4526-471K	470	0.001	40	0.796	3.0	12	80
SPE4526-561K	560	0.001	40	0.796	2.7	15	70
SPE4526-681K	680	0.001	40	0.796	2.5	17	65
SPE4526-821K	820	0.001	40	0.796	2.2	21	60
SPE4526-102K	1000	0.001	40	0.252	2.0	25	50
SPE4526-122K	1200	0.001	40	0.252	1.8	30	45
SPE4526-152K	1500	0.001	40	0.252	1.6	37	40
SPE4526-182K	1800	0.001	40	0.252	1.5	45	35
SPE4526-222K	2200	0.001	40	0.252	1.3	50	30

Note:1. K= ± 10%,M= ± 20%

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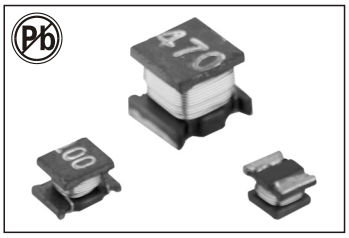


HIGH CURRENT SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPE5747 SERIES

FEATURES:

- Ferrite Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:500pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 2220 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (A Max)
SPE5747-R12M	0.12	1	10	1	450	0.010	6.0
SPE5747-R27M	0.27	1	10	1	300	0.014	5.3
SPE5747-R47M	0.47	1	10	1	200	0.018	4.8
SPE5747-1R0M	1.0	1	20	1	150	0.027	4.0
SPE5747-1R5M	1.5	1	20	1	110	0.031	3.7
SPE5747-2R2M	2.2	1	20	1	80	0.041	3.2
SPE5747-3R3M	3.3	1	20	1	40	0.050	2.9
SPE5747-4R7M	4.7	1	30	1	30	0.057	2.7
SPE5747-6R8M	6.8	1	30	1	25	0.10	2.0
SPE5747-100K	10	1	35	1	20	0.13	1.7
SPE5747-150K	15	1	35	1	17	0.21	1.4
SPE5747-220K	22	1	35	1	15	0.27	1.2
SPE5747-330K	33	1	35	1	12	0.45	0.9
SPE5747-470K	47	1	35	1	10	0.56	0.8
SPE5747-680K	68	1	35	1	7.6	0.94	0.64
SPE5747-101K	100	0.1	35	0.796	6.5	1.20	0.56
SPE5747-151K	150	0.1	40	0.796	5.0	2.66	0.42
SPE5747-221K	220	0.1	40	0.796	4.0	3.36	0.32
SPE5747-331K	330	0.1	40	0.796	3.1	6.16	0.27
SPE5747-471K	470	0.1	40	0.796	2.4	7.56	0.24
SPE5747-681K	680	0.1	40	0.796	1.9	11.3	0.19
SPE5747-102K	1000	0.01	40	0.796	1.7	14.4	0.15
SPE5747-152K	1500	0.01	40	0.796	1.2	30.1	0.10
SPE5747-222K	2200	0.01	40	0.796	1.1	45.0	0.09
SPE5747-332K	3300	0.01	40	0.796	1.0	50.0	0.08
SPE5747-472K	4700	0.01	40	0.796	0.8	61.0	0.07
SPE5747-682K	6800	0.01	40	0.796	0.7	100	0.06
SPE5747-822K	8200	0.01	40	0.796	0.6	125	0.05
SPE5747-103K	10000	0.01	40	0.796	0.5	140	0.05

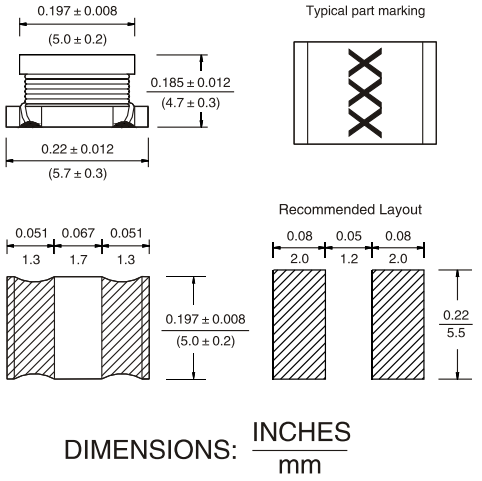
Note:1. K=±10%,M=±20%

SPE5747-100M

Model

Value/Tolerance:from table

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q- HP4342A
- SRF-HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃

Note: All specifications subject to change without notice.

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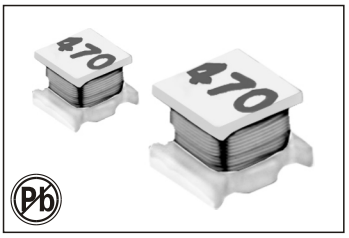
HIGH CURRENT SURFACE-MOUNT CERAMIC WIRE-WOUND INDUCTORS

L-KLS18-SPEC3218 SERIES



FEATURES:

- Ceramic Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

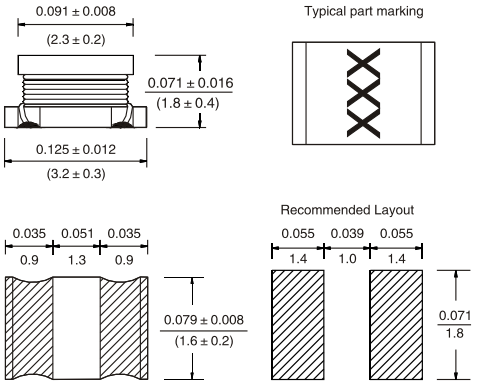
OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

STANDARD SPECIFICATION

Part Number (LQH 1206C Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPEC3218-R12M	0.12	1	10	1	250	0.112	970
SPEC3218-R22M	0.22	1	10	1	250	0.140	850
SPEC3218-R47M	0.47	1	10	1	180	0.210	700
SPEC3218-1R0M	1.0	1	20	1	100	0.392	510
SPEC3218-2R2M	2.2	1	20	1	50	0.574	430
SPEC3218-4R7M	4.7	1	20	1	31	0.910	340
SPEC3218-100K	10	1	20	1	20	1.82	230
SPEC3218-220K	22	1	20	1	14	4.20	160
SPEC3218-470K	47	1	20	1	10	11.2	100
SPEC3218-101K	100	1	30	0.796	7.0	16.8	80

Note:1. K= ± 10%,M= ± 20%

SPEC3218-100M

Model

Value/Tolerance:from table

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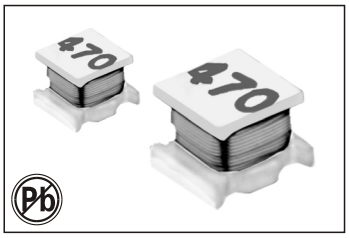


HIGH CURRENT SURFACE-MOUNT CERAMIC WIRE-WOUND INDUCTORS

L-KLS18-SPEC3220 SERIES

FEATURES:

- Ceramic Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

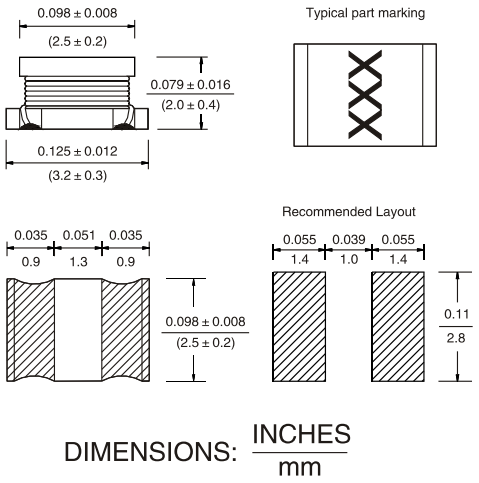
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 1210 Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPEC3220-1R0M	1.0	1	10	1	96	0.117	800
SPEC3220-2R2M	2.2	1	10	1	64	0.169	600
SPEC3220-4R7M	4.7	1	10	1	43	0.260	450
SPEC3220-100K	10	1	20	1	26	0.572	300
SPEC3220-220K	22	1	20	1	19	0.923	250
SPEC3220-470K	47	1	20	1	15	1.69	170
SPEC3220-101K	100	1	30	0.796	10	4.55	100
SPEC3220-221K	220	1	30	0.796	6.8	10.9	70
SPEC3220-331K	330	1	30	0.796	5.6	13.0	60
SPEC3220-391K	390	1	30	0.796	5.0	22.1	60
SPEC3220-471K	470	1	30	0.796	5.0	24.7	60
SPEC3220-561K	560	0.001	30	0.796	5.0	28.6	60

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

SPEC3220-100M

Model

Value/Tolerance:from table

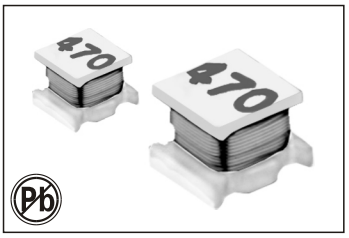
TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

HIGH CURRENT SURFACE-MOUNT CERAMIC WIRE-WOUND INDUCTORS

L-KLS18-SPEC4526 SERIES



FEATURES:

- Ceramic Core
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

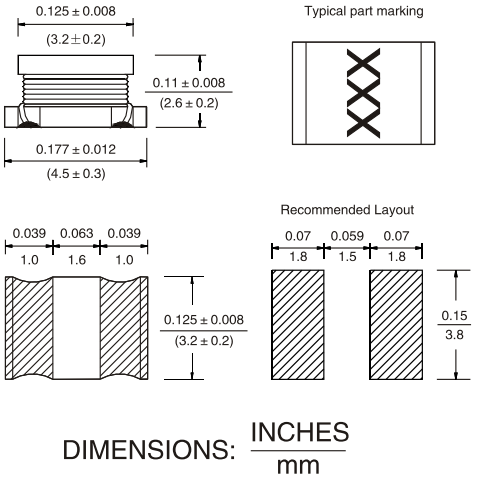
OPTIONS:

- Tape & Reel is Standard (Qty:500pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

STANDARD SPECIFICATION

Part Number (LQH 1812C Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPEC4526-1R0M	1.0	1	10	1	100	0.08	1080
SPEC4526-1R5M	1.5	1	10	1	85	0.09	1000
SPEC4526-2R2M	2.2	1	10	1	60	0.11	900
SPEC4526-3R3M	3.3	1	10	1	47	0.13	800
SPEC4526-4R7M	4.7	1	10	1	35	0.15	750
SPEC4526-6R8M	6.8	1	10	1	30	0.20	720
SPEC4526-100K	10.0	1	20	1	23	0.24	650
SPEC4526-150K	15.0	1	20	1	20	0.32	570
SPEC4526-220K	22.0	1	20	1	15	0.60	420
SPEC4526-330K	33.0	1	20	1	12	1.00	310
SPEC4526-470K	47.0	1	20	1	10	1.10	280
SPEC4526-680K	68.0	1	20	1	8.4	1.70	220
SPEC4526-101K	100	1	20	0.796	6.8	2.20	190
SPEC4526-151K	150	1	30	0.796	5.5	3.50	130
SPEC4526-221K	220	1	30	0.796	4.5	4.00	110
SPEC4526-331K	330	1	30	0.796	3.6	6.80	100
SPEC4526-471K	470	1	30	0.796	3.0	8.50	90

Note:1. K= ± 10%,M= ± 20%

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

SPEC4526-100M

Model

Value/Tolerance:from table

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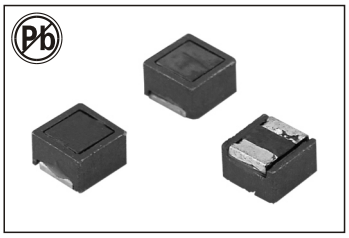


HIGH CURRENT SHIELDED SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPEF1210 SERIES

FEATURES:

- Ferrite shielded structure
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

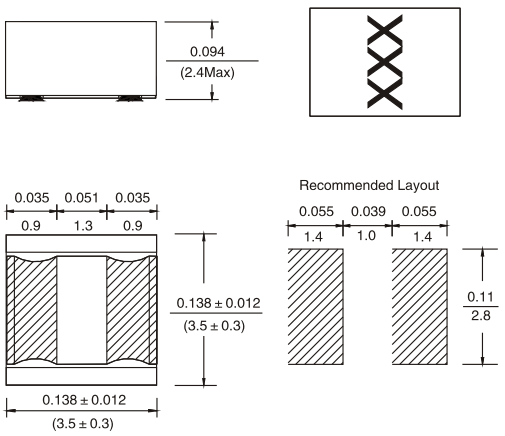
- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

STANDARD SPECIFICATION

Part Number (LQH 1210S Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPEF1210-1R0M	1.0	1	30	1	120	0.02	1000
SPEF1210-2R2M	2.2	1	30	1	60	0.06	800
SPEF1210-4R7M	4.7	1	35	1	35	0.11	600
SPEF1210-100K	10	1	35	1	22	0.15	300
SPEF1210-220K	22	1	40	1	15	0.32	180
SPEF1210-470K	47	1	45	1	12	0.64	150
SPEF1210-101K	100	1	45	0.796	9.0	1.74	90
SPEF1210-221K	220	1	50	0.796	6.0	4.51	80
SPEF1210-331K	330	1	50	0.796	4.2	8.63	70
SPEF1210-391K	390	1	50	0.796	3.8	9.11	60
SPEF1210-471K	470	1	50	0.796	3.5	9.52	50
SPEF1210-561K	560	1	50	0.796	3.0	10.14	50
SPEF1210-681K	680	1	50	0.796	2.6	11.83	40
SPEF1210-102K	1000	1	50	0.796	2.1	14.3	30
SPEF1210-152K	1500	1	50	0.796	1.7	29.9	25
SPEF1210-222K	2200	1	50	0.796	1.5	36.4	20

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

SPEF1210-100M

Model

Value/Tolerance:from table

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- Rated Current L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

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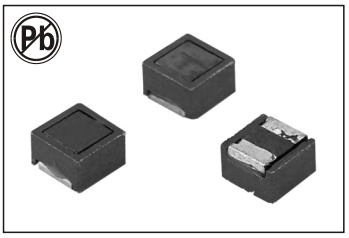
HIGH CURRENT SHIELDED SURFACE-MOUNT WIRE-WOUND INDUCTORS

L-KLS18-SPEF2220 SERIES



FEATURES:

- Ferrite shielded structure
- High Frequency Design
- Lower DCR permits High Idc
- Available in E12 series
- Excellent Q SRF Values
- Lead free versions
- RoHS compliant
- Excellent Thermal Stability

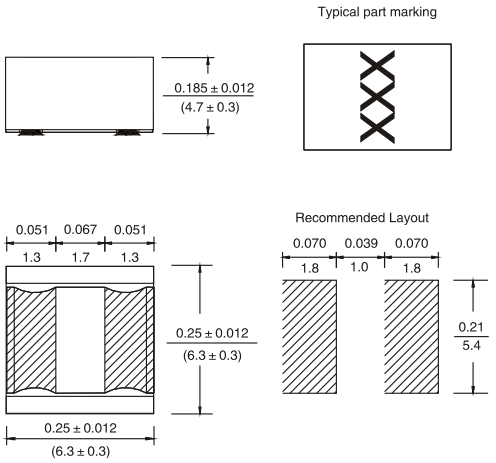
OPTIONS:

- Tape & Reel is Standard (Qty:500pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Modems PDP. LCD TVs convertor
- Mobile Radios DC/DC convertor
- Cordless Telephones Car radios
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION

- Inductance Testing: HP4291A,HP16193A,HP4286A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A
- IDC Max: L value drop10%typ.at I_{DC}against its initial value
- Temperature rise 40℃ Max Reference ambient temperature
- Solderability: 75% of the terminal electrode shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃

Note: All specifications subject to change without notice.

STANDARD SPECIFICATION

Part Number (LQH 2220S Series)	L (μH)	L Test Freq (KHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
SPEF2220-R27M	0.27	1	20	1	300	0.007	6000
SPEF2220-R68M	0.68	1	20	1	180	0.010	5300
SPEF2220-1R0M	1.0	1	30	1	150	0.013	4700
SPEF2220-1R5M	1.5	1	30	1	110	0.016	3800
SPEF2220-2R2M	2.2	1	30	1	80	0.019	3300
SPEF2220-3R3M	3.3	1	30	1	40	0.022	2600
SPEF2220-4R7M	4.7	1	30	1	30	0.025	2200
SPEF2220-6R8M	6.8	1	30	1	25	0.029	1800
SPEF2220-100K	10	1	30	1	20	0.036	1600
SPEF2220-150K	15	1	35	1	17	0.069	1300
SPEF2220-220K	22	1	35	1	15	0.087	1100
SPEF2220-330K	33	1	35	1	12	0.14	860
SPEF2220-470K	47	1	35	1	10	0.17	760
SPEF2220-680K	68	1	35	1	7.6	0.29	600
SPEF2220-101K	100	0.1	40	0.796	6.5	0.36	520
SPEF2220-151K	150	0.1	45	0.796	5.5	0.63	420
SPEF2220-221K	220	0.1	45	0.796	4.0	0.79	350
SPEF2220-331K	330	0.1	45	0.796	3.2	1.8	280
SPEF2220-471K	470	0.1	50	0.796	2.5	2.2	240
SPEF2220-681K	680	0.1	50	0.796	2.0	3.9	200
SPEF2220-102K	1000	0.01	50	0.252	1.7	4.9	160
SPEF2220-222K	2200	0.01	50	0.252	1.2	9.4	100
SPEF2220-472K	4700	0.01	50	0.252	0.8	19.5	70
SPEF2220-103K	10000	0.01	50	0.252	0.5	39.7	50

Note:1. K= ± 10%,M= ± 20%

SPEF2220-100M

Model

Value/Tolerance:from table

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HIGH CURRENT SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SP SERIES

0302,0403,0504,0703,0705,1004,1005,1006,1008

FEATURES:

- Current up to 6.8A
- Larg Current
- Flat–top for Pick & Place
- Low cost

OPTIONS:

- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
- Tolerance:10% and 20% is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for Palm–Top and Laptop DC–DC Converters
- PDA's Flash Memory
- Step–up,Step–down Converters
- Top–box

STANDARD SPECIFICATION:

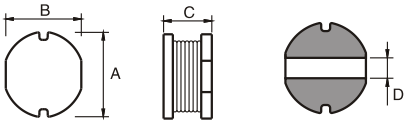
Part Number	Inductance μH	DCR(Ω)									IDC(A) Max								
		SP0302	SP0403	SP0503	SP0504	SP0703	SP0705	SP1004	SP1005	SP1008	SP0302	SP0403	SP0503	SP0504	SP0703	SP0705	SP1004	SP1005	SP1008
1R0	1.0	0.07	0.049	0.03	0.028						2.080	2.560	4.500	3.000					
1R4	1.4	0.09	0.057	0.04	0.029						1.860	2.520	4.000	2.800					
1R8	1.8	0.11	0.064	0.05	0.030						1.800	1.950	3.300	2.600					
2R2	2.2	0.13	0.072	0.06	0.042						1.390	1.750	2.940	2.300					
2R7	2.7	0.14	0.079	0.07	0.044						1.320	1.580	2.500	2.100					
3R3	3.3	0.20	0.087	0.08	0.045						1.250	1.440	2.350	2.000					
3R9	3.9	0.21	0.094	0.09	0.047						1.200	1.330	2.200	1.950					
4R7	4.7	0.33	0.109	0.14	0.048						1.030	1.150	2.000	1.900					
5R6	5.6	0.35	0.126	0.15	0.050						0.910	1.100	1.800	1.800					
6R8	6.8	0.38	0.132	0.16	0.060						0.850	1.080	1.700	1.600					
8R2	8.2	0.43	0.147	0.17	0.090						0.820	1.050	1.400	1.500					
100	10	0.50	0.182	0.18	0.10	0.08	0.07	0.05	0.06	0.036	0.740	1.040	1.200	1.440	1.440	2.300	2.380	2.600	4.050
120	12	0.65	0.210	0.20	0.12	0.09	0.08	0.06	0.07	0.038	0.640	0.970	1.180	1.400	1.390	2.000	2.130	2.450	3.600
150	15	0.82	0.235	0.22	0.14	0.10	0.09	0.07	0.08	0.04	0.600	0.850	1.150	1.300	1.240	1.800	1.870	2.270	3.340
180	18	0.90	0.338	0.25	0.15	0.11	0.10	0.08	0.09	0.05	0.540	0.740	1.100	1.230	1.120	1.600	1.730	2.150	3.050
220	22	1.14	0.378	0.35	0.18	0.13	0.11	0.09	0.10	0.06	0.500	0.680	1.000	1.110	1.070	1.500	1.600	1.950	2.800
270	27	1.39	0.522	0.45	0.20	0.15	0.12	0.10	0.11	0.07	0.430	0.620	0.860	0.970	0.940	1.300	1.440	1.760	2.500
330	33	1.55	0.540	0.56	0.23	0.17	0.13	0.12	0.12	0.08	0.400	0.560	0.760	0.880	0.850	1.200	1.260	1.500	2.400
390	39	2.15	0.587	0.698	0.32	0.22	0.16	0.15	0.14	0.09	0.370	0.520	0.750	0.800	0.740	1.100	1.200	1.370	2.200
470	47	2.44	0.844	0.72	0.37	0.25	0.18	0.17	0.17	0.11	0.360	0.440	0.730	0.720	0.680	1.100	1.100	1.280	2.000
560	56	2.68	0.937	0.84	0.42	0.28	0.24	0.20	0.19	0.12	0.310	0.420	0.550	0.680	0.640	0.940	1.010	1.170	1.900
680	68	3.05	1.117	0.90	0.46	0.33	0.28	0.22	0.22	0.15	0.300	0.370	0.520	0.610	0.590	0.850	0.910	1.110	1.800
820	82	3.48	1.200	0.95	0.60	0.41	0.37	0.25	0.25	0.19	0.280	0.300	0.500	0.580	0.540	0.780	0.850	1.000	1.600
101	100	3.84	1.440	1.30	0.70	0.48	0.43	0.34	0.35	0.23	0.250	0.280	0.400	0.520	0.510	0.720	0.740	0.970	1.500
121	120	5.76	1.660	1.38	0.93	0.54	0.47	0.40	0.40	0.32	0.200	0.240	0.360	0.480	0.490	0.660	0.690	0.890	1.400
151	150	6.62	1.880	1.81	1.10	0.75	0.64	0.54	0.47	0.37	0.190	0.220	0.300	0.400	0.400	0.580	0.610	0.780	1.300
181	180	7.36	2.180	1.95	1.38	1.02	0.71	0.62	0.63	0.42	0.170	0.210	0.260	0.380	0.360	0.510	0.560	0.720	1.200
221	220	8.38	2.570	2.10	1.57	1.20	0.96	0.72	0.73	0.44	0.160	0.200	0.250	0.350	0.310	1R0	0.530	0.660	1.000
271	270	13.69	3.520	2.42	1.85	1.31	1.11	0.95	0.97	0.55	0.140	0.180	0.210	0.280	0.290	0.420	0.450	0.570	0.950
331	330	15.78	5.000	3.82	2.00	1.50	1.26	1.10	1.15	0.60	0.130	0.120	0.180	0.260	0.280	0.400	0.420	0.520	0.900
391	390	17.40	6.000	4.68	2.60	2.700	1.77	1.24	1.30	0.67	0.120	0.115	0.160	0.240	0.270	0.360	0.380	0.480	0.800
471	470	20.00	7.000	5.10	3.00	3.000	1.96	1.53	1.48	0.88	0.084	0.110	0.150	0.220	0.250	0.340	0.350	0.420	0.700
561	560			6.00	4.19			1.80	1.90	1.04			0.140	0.180			0.320	0.330	0.650
681	680			7.60	4.44				2.25	1.18			0.130	0.160				0.280	0.600
821	820			9.12	5.12				2.55	1.38			0.070	0.110				0.240	0.500
102	1000			9.87	10.00					1.74			0.050	0.080					0.480
122	1200									1.92									0.380

TECHNICAL INFORMATION:

- Operating Temperature:–40℃ to+85℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specification subject to change without noticed.

CHARACTERISTICS:



TERMINAL SHAPE DIMENSION:(mm)

TYPE	A	B	C	D
SP 0302	3.0±0.3	2.8±0.3	2.5±0.3	0.8
SP 0403	4.5±0.3	4.0±0.3	3.2±0.3	1.3
SP 0503	5.8±0.3	5.2±0.3	2.5±0.3	1.3
SP 0504	5.8±0.3	5.2±0.3	4.5±0.3	1.3
SP 0703	7.8±0.3	7.0±0.3	3.5±0.3	2.1
SP 0705	7.8±0.3	7.0±0.3	5.0±0.3	2.1
SP 1004	10.0±0.3	9.0±0.3	4.0±0.3	2.1
SP 1005	10.0±0.3	9.0±0.4	5.4±0.3	2.1
SP 1006	11.0Max	10.0Max	7.5Max	2.1
SP 1008	11.0Max	10.0Max	8.5Max	2.1

HIGH CURRENT SURFACE-MOUNT POWER SHIELDED INDUCTORS

L-KLS18-SCD SERIES

0603,0704,1005,1205

FEATURES:

- Current up to 2.6A
- Very Small Foot Pint
- Flat-top for Pick& Place
- Shielded structure

OPTIONS:

- Tape & Reel is Standard
  (Qty:2000pcs.)
  Bulk packaging Available
  for Smaller Quantities
- Tolerance:K=10%,M=20% is
  Standard,Tighter Tolerances Available

APPLICATION:

- Power supply for VTRs .
- OA equipment.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC/DC converters,etc.

STANDARD SPECIFICATION:

Part Number SDRS-XXXX	L (μH)	DCR(Ω)Max.				IDC(A)			
		SCD 0603	SCD 0704	SCD 1005	SCD 1205	SCD 0603	SCD 0704	SCD 1005	SCD 1205
100M	10	0.14	0.07	0.06	0.05	1.00	1.65	2.06	2.65
120M	12	0.16	0.07	0.07	0.05	0.94	1.57	1.94	2.50
150M	15	0.18	0.08	0.07	0.06	0.86	1.39	1.72	2.45
180M	18	0.25	0.10	0.08	0.06	0.78	1.9	1.58	2.40
220M	22	0.32	0.13	0.08	0.07	0.76	1.12	1.42	2.20
270M	27	0.36	0.16	0.10	0.08	0.64	1.06	1.32	2.00
330M	33	0.41	0.18	0.11	0.10	0.61	0.97	1.16	1.80
390M	39	0.47	0.18	0.12	0.11	0.53	0.91	1.10	1.65
470M	47	0.51	0.27	0.14	0.12	0.50	0.80	1.00	1.50
560M	56	0.72	0.29	0.19	0.15	0.46	0.76	0.93	1.38
680M	68	0.82	0.33	0.21	0.17	0.42	0.68	0.85	1.26
820M	82	0.82	0.43	0.28	0.20	0.42	0.62	0.79	1.14
101M	100	0.82	0.49	0.34	0.25	0.42	0.55	0.72	1.05
121M	120	0.82	0.68	0.37	0.28	0.42	0.49	0.63	0.95
151M	150	0.82	0.94	0.51	0.40	0.42	0.44	0.55	0.85
181M	180	0.82	1.00	0.57	0.48	0.42	0.40	0.50	0.77
221M	220	0.82	1.18	0.78	0.52	0.42	0.36	0.47	0.70
271M	270	0.82	1.30	0.87	0.70	0.42	0.33	0.41	0.63
331M	330	0.82	1.30	1.20	0.80	0.42	0.33	0.37	0.57
391M	390	0.82	1.30	1.34	1.08	0.42	0.33	0.5	0.52
471M	470	0.82	1.30	1.50	1.20	0.42	0.33	0.33	0.48
561M	560	0.82	1.30	1.50	1.34	0.42	0.33	0.33	0.44
681M	680	0.82	1.30	1.50	1.78	0.42	0.33	0.33	0.40
821M	820	0.82	1.30	1.50	2.00	0.42	0.33	0.33	0.36

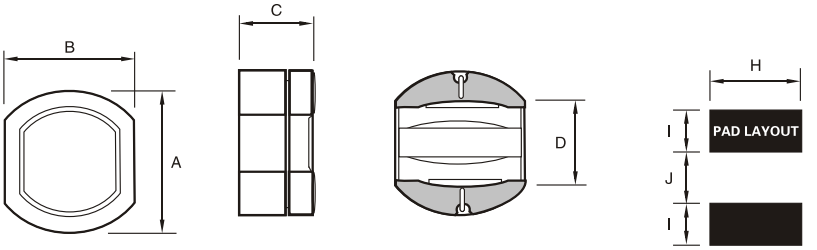
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:HP4285A
  RDC:QuadTech 1880 Milliohmmeter
  -Q- HP4342A - SRF-HP4191A
- IDC Max:Determined when superimposed
  DC current is decreased 10% against its initial value
- Operating temperature: -40℃ to +85℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Ordering information:
- Type:Surface Mounting Type.
- Style:DR Core with RL core.
- Anductance:101 for 100uH.
- Anductance tolerance:M: ±20%.

Notel:All specification subject to change without noticed.

PHYSICAL CHARACTERISTICS:



DIMENSIONS IN: mm

Part Number	A	B	C	D	H	I	J
SCD-0603	6.2±0.3	5.6±0.3	3.2±0.3	1.7	5.5	2.25	1.7
SCD-0704	7.8±0.35	7.0±0.35	4.5±0.4	1.9	7.5	4.0	2.0
SCD-1005	10.0±0.4	9.0±0.4	5.0±0.5	2.5	9.5	5.0	2.5
SCD-1205	12.6±0.5	11.6±0.5	5.4±0.5	3.0	12.0	6.0	3.0

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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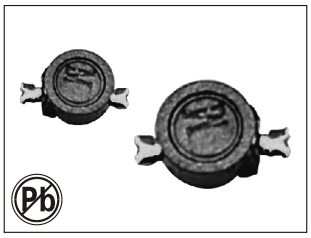


SURFACE-MOUNT POWER WOUND CHIP INDUCTORS

L-KLS18-SAP-0603 SERIES

0603S,0603T

FEATURES:

- Current up to 1.34A
- High Frequency design
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- Low Profile, Low cost
- Low DCR

OPTIONS:

- Packaging:Tape $ Reel is standard (Qty:2000pcs.)
  Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Power supply for VTRs .
- OA equipment.
- LCD televisions.
- Notebook PCs.
- Portable communication equipment.
- DC/DC converters,etc.

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Tol %	Q Min	DCR Ω Max	IDC Max A	Test Freq kHz
SAP-0603-1R0K	1.0	± 10	35	0.072	1.34	100
SAP-0603-1R5K	1.5	± 10	35	0.084	1.22	100
SAP-0603-2R2K	2.2	± 10	35	0.108	1.08	100
SAP-0603-3R3K	3.3	± 10	35	0.134	0.97	100
SAP-0603-4R7K	4.7	± 10	40	0.160	0.91	100
SAP-0603-6R8K	6.8	± 10	40	0.197	0.79	100
SAP-0603-100K	10.0	± 10	40	0.330	0.63	100
SAP-0603-120K	12.0	± 10	40	0.350	0.59	100
SAP-0603-150K	15.0	± 10	40	0.400	0.56	100
SAP-0603-180K	18.0	± 10	40	0.450	0.51	100
SAP-0603-220K	22.0	± 10	40	0.534	0.47	100
SAP-0603-270K	27.0	± 10	40	0.618	0.43	100
SAP-0603-330K	33.0	± 10	50	0.903	0.37	100
SAP-0603-390K	39.0	± 10	50	1.010	0.4	100
SAP-0603-470K	47.0	± 10	50	1.355	0.29	100
SAP-0603-560K	56.0	± 10	50	1.515	0.28	100
SAP-0603-680K	68.0	± 10	50	1.713	0.26	100
SAP-0603-820K	82.0	± 10	50	2.312	0.22	100
SAP-0603-101K	100.0	± 10	50	2.640	0.21	100
SAP-0603-121K	120.0	± 10	50	3.502	0.19	100
SAP-0603-151K	150.0	± 10	50	4.132	0.17	100
SAP-0603-181K	180.0	± 10	50	4.534	0.16	100
SAP-0603-221K	220.0	± 10	50	6.646	0.13	100
SAP-0603-271K	270.0	± 10	50	7.523	0.12	100
SAP-0603-101M	100	± 20	30	0.65	32.0mA	100
SAP-0603-151M	150	± 20	35	0.80	28.0mA	100
SAP-0603-221M	220	± 20	35	1.10	22.0mA	100
SAP-0603-331M	330	± 20	35	1.30	16.0mA	100
SAP-0603-471M	470	± 20	35	1.90	14.0mA	100
SAP-0603-681M	680	± 20	35	2.50	11.0mA	100
SAP-0603-102M	1000	± 20	35	3.10	9.0mA	100
SAP-0603-152M	1500	± 20	35	5.30	8.0mA	100
SAP-0603-222M	2200	± 20	35	8.40	7.0mA	100
SAP-0603-332M	3300	± 20	35	10.10	5.0mA	100
SAP-0603-472M	4700	± 20	35	13.0	4.0mA	100

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

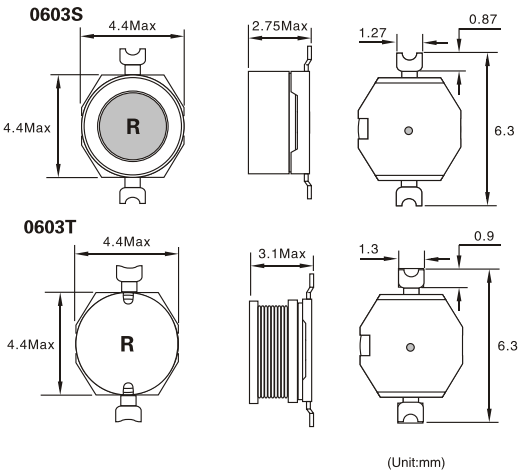
TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:HP4284A
  RDC:QuadTech 1880
  Milliohmmeter –Q– HP4342A – SRF–HP4191A
- IDC Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

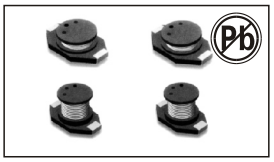
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

DIMENSIONS IN: mm



(Unit:mm)



SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SMTDR SERIES

0402T,0802T,0804T,0810T,1109T,1306T

FEATURES:

- Very Small Foot Print
- Flat–top for Pick & Place
- Increased Size Selection Guide

OPTIONS:

- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
- Tolerance:20% is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for Palm–Top and Laptop DC to DC converters
- PDA's flash memory
- Step–up,step–down Converters

STANDARD SPECIFICATION:

Part Number	L(μH) ±20%	DCR (Ω) Max						IDC (A) Max					
		SMTDR 0402T	SMTDR 0802T	SMTDR 0804T	SMTDR 0810T	SMTDR 1109T	SMTDR 1306T	SMTDR 0402T	SMTDR 0802T	SMTDR 0804T	SMTDR 0810T	SMTDR 1109T	SMTDR 1306T
1R0	1.0	0.05		0.009			0.011	2.90		9.0			20.00
1R5	1.5	0.05		0.010				2.60		8.0			
2R2	2.2	0.06		0.012			0.014	2.30		7.0			16.00
3R3	3.3	0.07		0.015			0.016	2.00		6.4			14.00
4R7	4.7	0.08		0.018				1.50		5.4			
5R6	5.6			0.025			0.022			5.0			12.00
6R8	6.8	0.11		0.027				1.20		4.6			
100	10	0.14	0.09	0.038	0.033	0.06	0.032	1.10	2.40	3.8	8.00	3.50	10.00
120	12					0.07						3.40	
150	15	0.20	0.12	0.046	0.042	0.08	0.036	0.90	2.00	3.0	7.00	3.10	8.00
180	18					0.09						3.00	
220	22	0.32	0.19	0.085	0.054	0.10	0.047	0.70	1.60	2.6	5.50	2.60	7.00
270	27					0.11						2.40	
330	33	0.44	0.25	0.10	0.08	0.12	0.066	0.58	1.40	2.0	4.00	2.30	5.50
390	39					0.14						2.10	
470	47	0.56	0.32	0.14	0.10	0.17	0.087	0.50	1.00	1.6	3.80	1.95	4.50
560	56					0.19						1.85	
680	68	0.75	0.55	0.20	0.17	0.22	0.13	0.40	0.90	1.4	3.00	1.65	3.50
820	82					0.25						1.50	
101	100	1.10	0.70	0.28	0.22	0.35	0.19	0.31	0.70	1.2	2.50	1.40	3.00
121	120					0.40						1.30	
151	150	1.70	1.00	0.40	0.34	0.47	0.25	0.27	0.60	1.0	2.00	1.20	2.60
181	180					0.63						1.00	
221	220	2.30	1.60	0.61	0.44	0.73	0.38	0.22	0.50	0.8	1.60	0.95	2.40
271	270					0.97						0.90	
331	330	3.30	2.20	1.02	0.70	1.15	0.56	0.18	0.40	0.6	1.20	0.80	1.90
391	390					1.30						0.75	
471	470	4.40	3.30	1.27	0.95	1.48	0.85	0.16	0.30	0.5	1.00	0.65	1.40
561	560					1.90						0.60	
681	680	6.80	4.40	2.02	1.20	2.45	1.2	0.14	0.20	0.4	1.00	0.50	1.20
821	820					2.55						0.48	
102	1000	12.00	7.00	3.00	2.00	3.00	1.8	0.10	0.10	0.3	0.80	0.46	1.00
122	1200					3.50						0.35	

TECHNICAL INFORMATION:

- measuring Frequency(L):1KHz,0.1Vrms,HP4284A
- Operating Temperature:–40℃ to+85℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS

Outline drawings
refer to next Page

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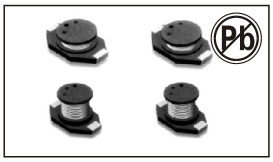


SMTDR

SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SMTDR SERIES

0402T,0802T,0804T,0810T,1109T,1306T

FEATURES:

- Very Small Foot Print
- Flat–top for Pick & Place
- Increased Size Selection Guide

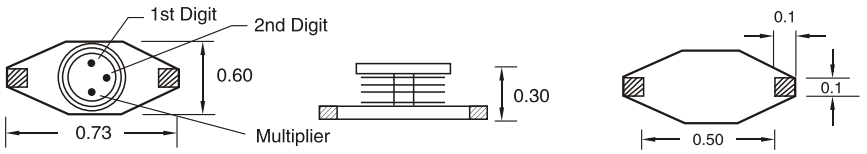
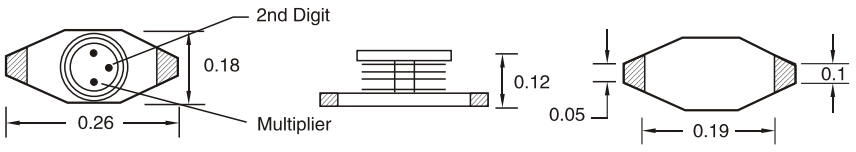
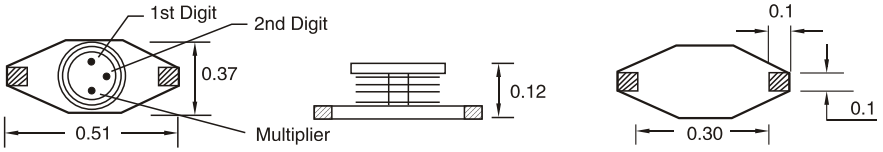
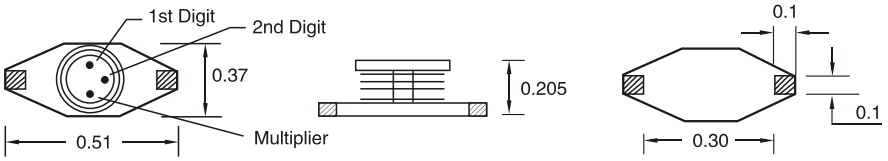
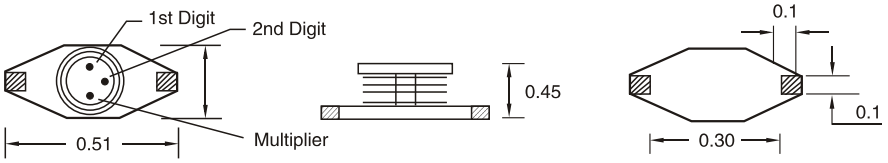
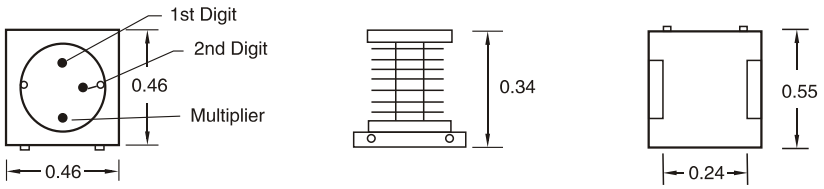
OPTIONS:

- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
- Tolerance:20% is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for Palm–Top and Laptop DC to DC converters
- PDA's flash memory
- Step–up,step–down Converters

PHYSICAL CHARACTERISTICS Dimensions:(Inch):

Part Numbers	PHYSICAL CHARACTERISTICS
SMTDR-1306T-XXX	
SMTDR-0402T-XXX	
SMTDR-0802T-XXX	
SMTDR-0804T-XXX	
SMTDR-0810T-XXX	
SMTDR-1109T-XXX	

Tolerance:X.XX= ± 0.030.X.XXX= ± 0.010

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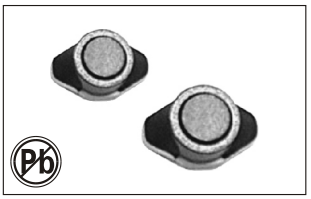
SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPT SERIES

0402,0802,0804,1306



FEATURES:

- Current up to 8A
- Very Small Foot Print
- Flat–top for Pick & Place

OPTIONS:

- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
- Tolerance:10% and 20% is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Ideal for Palm–Top and Laptop DC–DC Converters
- PDA's Flash Memory
- Step–up,Step–down Converters

ELECTRICAL CHARACTERISTICS:

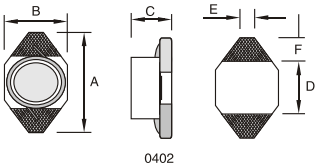
Part Number	L(μH) ±20%	DCR（Ω）Max				IDC（A）Max			
		SPT 0402S	SPT 0802S	SPT 0804S	SPT 1306S	SPT 0402S	SPT 0802S	SPT 0804S	SPT 1306S
1R0	1.0	0.040		0.021		3.0		5.0	
1R5	1.5	0.045	0.038	0.022		2.8	4.00	4.5	
2R2	2.2	0.050	0.045	0.032		1.8	3.50	3.8	
3R3	3.3	0.055	0.062	0.039		1.6	3.00	3.3	
4R7	4.7	0.060	0.78	0.054		1.4	2.50	2.7	
6R8	6.8	0.065	0.10	0.075		1.2	2.20	2.2	
100	10	0.075	0.145	0.101	0.040	1.0	2.00	2.0	3.9
150	15	0.090	0.20	0.150	0.048	0.80	1.50	1.5	3.4
220	22	0.11	0.30	0.207	0.059	0.70	1.30	1.3	3.1
330	33	0.19	0.45	0.334	0.075	0.60	1.10	1.1	2.8
470	47	0.23	0.65	0.472	0.097	0.50	0.80	0.80	2.4
680	68	0.29	0.80		0.138	0.40	0.70		2.0
101	100	0.48	1.40		0.207	030	0.60		1.7
151	150	0.59	1.80		0.293	026	0.50		1.3
221	220	0.90	2.20		0.470	0.22	0.40		1.1
331	330	1.40	3.60		0.780	0.20	0.30		0.86
471	470	1.80	5.10		1.08	019	0.20		0.73
681	680	2.20			1.40	0.18			0.64
102	100	3.40			2.01	0.15			0.53
152	1500	4.20				0.12			
222	2200	8.50				0.10			
332	3300	11.0				0.08			
472	4700	13.9				0.06			
682	6800	25.0				0.04			
103	10000	32.8				0.02			

TECHNICAL INFORMATION:

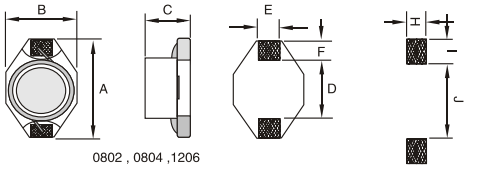
- Testing: (Equivalent acceptable)
  Inductance:HP4285A
  RDC:QuadTech 1880 Milliohmmeter
  –Q– HP4342A – SRF–HP4191A
- IDC Max:Determined when superimposed DC current is decreased 10% against its initial value
- Operating Temperature:–40℃ to+85℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Notel:All specification subject to change without noticed.

PHYSICAL CHARACTERISTICS



0402



0802 , 0804 ,1206

DIMENSION:(mm)

Part number	A	B	C	D	E	F	H	I	J
SPT-0402S	6.60	4.45	2.92	4.32	1.27	1.02	3.56	1.4	4.06
SPT-0802S	12.7	10.1	2.70	7.6	2.2	2.4	2.8	3.0	7.3
SPT-0804S	12.95	9.40	5.08	7.62	2.54	2.54	2.79	2.92	7.37
SPT-1306S	18.54	15.24	7.62	12.70	2.54	2.54	2.79	2.92	12.45

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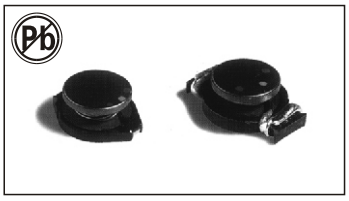


SURFACE–MOUNT HIGH CURRENT INDUCTORS

L-KLS18-SAQ-HC SERIES

0605HC,1006HC,1306HC,1608HC

FEATURES:

- Current up to 50A
- Flat–top for Pick & Place
- Very low DC Resistance
- Low profile

OPTIONS:

- Tape & Reel is Standard Bulk Packaging Available for Smaller Quantities
- Custom Design Available

COMMON APPLICATIONS:

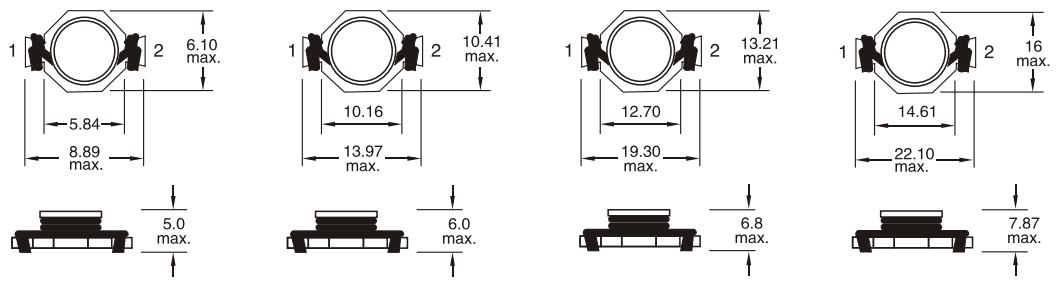
- Ideal for High Current,Low Voltage DC – DC Converters
- Designed for 3.3V Microprocessor

STANDARD SPECIFICATION:

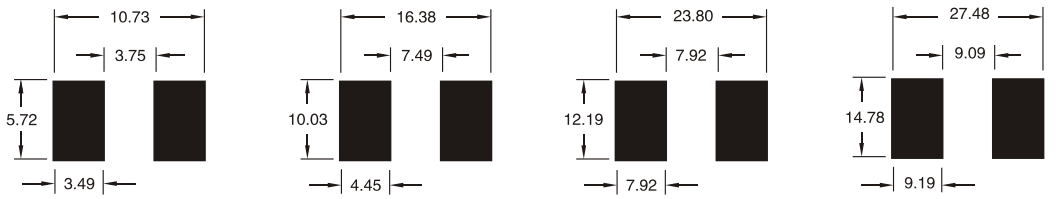
Part Number SAQ-HC	0605HC				1006HC			1306HC			1608HC		
	L μH(rated)	IRMS A(max)	I SAT A(max)	DCR (Ω)max	I RMS A(max)	I SAT A(max)	DCR (Ω)max	I RMS A(max)	I SAT A(max)	DCR (Ω)max	I RMS A(max)	I SAT A(max)	DCR (Ω)max
R47	0.47	6.0	7.7	0.0097	10.6	11.4	0.0049	16.0	25.1	0.0021	19.2	51.7	0.0019
1R0	1.0	4.4	5.3	0.0177	9.3	9.9	0.0065	12.5	15.2	0.0034	17.3	37.3	0.0023
1R5	1.5	4.2	4.5	0.0200	8.3	7.9	0.0081	10.0	12.0	0.0053	13.4	28.9	0.0039
2R2	2.2	3.1	3.5	0.0363	7.2	6.1	0.0107	9.2	10.2	0.0074	12.0	23.7	0.0048
3R3	3.3	2.9	3.0	0.0428	6.5	5.1	0.0128	8.0	9.3	0.0083	11.0	20.2	0.0057
4R7	4.7	2.2	2.6	0.0544	5.5	4.2	0.0165	6.5	7.7	0.0114	8.6	15.6	0.0093
6R8	6.8	1.7	2.2	0.0897	5.0	3.6	0.0202	5.8	6.2	0.0183	8.3	14.1	0.0100
100	10.0	1.5	1.9	0.1107	4.3	3.3	0.0267	4.3	5.2	0.0261	6.8	11.5	0.0150
150	15.0	1.2	1.5	0.1747	3.5	2.4	0.0410	3.9	4.3	0.0317	5.5	9.1	0.0230
220	22.0	1.0	1.2	0.2541	2.8	2.0	0.0617	3.1	3.7	0.0491	4.5	7.6	0.0340
330	33.0	0.82	0.99	0.3670	2.1	1.7	0.0917	2.4	3.0	0.0688	3.7	6.1	0.0520
470	47.0	0.72	0.87	0.4740	1.7	1.4	0.1388	1.9	2.4	0.1082	3.1	5.2	0.0740
680	68.0	0.58	0.67	0.7320	1.5	1.2	0.1787	1.6	2.0	0.1558	2.4	4.3	0.1200
101	100.0	0.47	0.53	1.1090	1.2	0.95	0.2707	1.4	1.8	0.2053	2.0	3.6	0.1700

PHYSICAL CHARACTERISTICS Dimensions(mm):

MECHANICAL DIAGRAM



PCB PAD LAYOUT



Technical information:

Notes: (1)Open Circuit Inductance Test Parameters: 100KHz,.250Vrms,0.0Adc.
(2)RMS current for an approximate ΔT of 40℃. at an ambient temperatuer of 85℃.
(3)Peak current for approximately 30% rolloff.
(4)DCR limits 20℃.
(5)Operating Temprature:–40℃ to + 85℃
All specifications subject to change without notice.

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LOW PROFILE SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SAQ-0401C SERIES

FEATURES:

- Ceramic housing
- High Frequency Design
- Excellent Q Values
- Excellent SRF
- Excellent Thermal Stability
- Low profile
- Small Foot Print

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

ELECTRICAL CHARACTERISTICS:

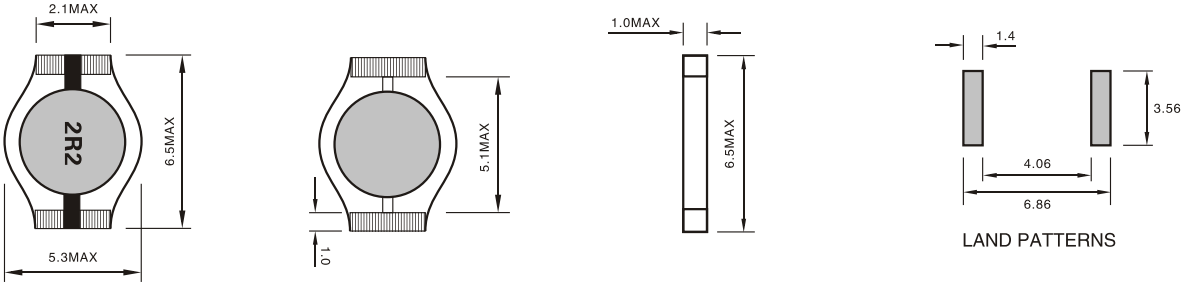
Part Number	Inductance (uH ± 20%)	Test Frequency	DCR Max (Ω)	Last (A)
SAQ-0401C-1R0M	1.0	100KHz	0.08	0.55
SAQ-0401C-1R5M	1.5	100KHz	0.10	0.54
SAQ-0401C-2R2M	2.2	100KHz	0.12	0.53
SAQ-0401C-3R3M	3.3	100KHz	0.16	0.45
SAQ-0401C-4R7M	4.7	100KHz	0.20	0.43
SAQ-0401C-6R8M	6.8	100KHz	0.32	0.38
SAQ-0401C-100M	10	100KHz	0.41	0.3
SAQ-0401C-150M	15	100KHz	0.55	0.27
SAQ-0401C-220M	22	100KHz	0.85	0.22
SAQ-0401C-330M	33	100KHz	1.30	0.18
SAQ-0401C-470M	47	100KHz	1.80	0.14
SAQ-0401C-680M	68	100KHz	2.50	0.12
SAQ-0401C-101M	100	100KHz	3.50	0.095
SAQ-0401C-151M	150	100KHz	5.00	0.075
SAQ-0401C-221M	220	100KHz	7.00	0.06
SAQ-0401C-331M	330	100KHz	15.0	0.045

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Inductance(L)measured@noted frequencies with 0DC bias HP 4284A
Operating Temperature:–55℃to85℃
Inductsnce Drops By 10%at Max rated in uH
Marking per EIA Standard colour code in uH
Dimensions in mm
Specifications subject to change without notice

DIMENSIONS IN: mm



LAND PATTERNS

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566

LOW PROFILE SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SAQ-0402C SERIES

0603,0704,1005,1205

FEATURES:

- Ceramic housing
- High Frequency Design
- Excellent Q Values
- Excellent SRF
- Excellent Thermal Stability
- Low profile
- Small Foot Print

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

ELECTRICAL CHARACTERISTICS:

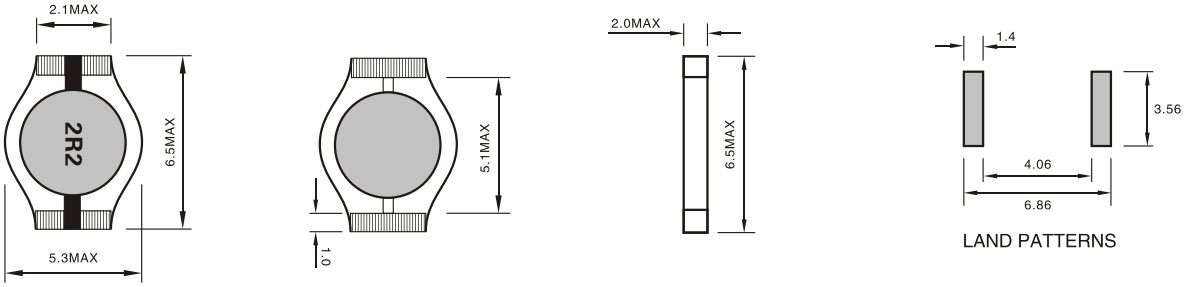
Part Number	Inductance (uH ± 20%)	DCR Max (Ω)	Last (A)
SAQ-0402C-1R0M	1.0	0.040	2.5
SAQ-0402C-1R5M	1.5	0.06	2.2
SAQ-0402C-2R2M	2.2	0.070	1.8
SAQ-0402C-3R3M	3.3	0.10	1.4
SAQ-0402C-4R7M	4.7	0.120	1.2
SAQ-0402C-6R8M	6.8	0.19	1.1
SAQ-0402C-100M	10	0.26	1.0
SAQ-0402C-150M	15	0.40	0.8
SAQ-0402C-220M	22	0.54	0.6
SAQ-0402C-330M	33	0.74	0.5
SAQ-0402C-470M	47	1.1	0.45
SAQ-0402C-680M	68	1.6	0.35
SAQ-0402C-101M	100	2.3	0.30
SAQ-0402C-151M	150	3.2	0.25
SAQ-0402C-221M	220	5.7	0.20
SAQ-0402C-331M	330	8.2	0.16
SAQ-0402C-471M	470	10.8	0.14
SAQ-0402C-681M	680	17.2	0.12
SAQ-0402C-102M	1000	22.6	0.08

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

Inductance(L)measured@noted frequencies with 0DC bias
Operating Temperature:–55℃to85℃
Inductsnce Drops By 10%at Max rated in uH
Marking per EIA Standard colour code in uH
Dimensions in mm
Specifications subject to change without notice

DIMENSIONS IN: mm



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Email:sales@cnkls.com Tel: 0086-574-86828566

LOW PROFILE SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SAQ-0602C SERIES

FEATURES:

- Ceramic housing
- High Frequency Design
- Excellent Q Values
- Excellent SRF
- Excellent Thermal Stability
- Low profile
- Small Foot Print

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Modems
- Mobile Radios
- Cordless Telephones
- Global Positioning Systems
- Wireless Communications Equipment
- Networking System,xDSL Filter
- Computer Products and Peripherals

ELECTRICAL CHARACTERISTICS:

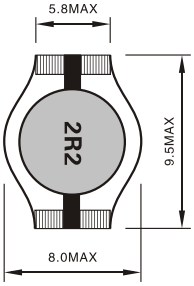
Part Number	Inductance (uH ± 20%)	Test Frequency	DCR Max (Ω)	Last (A)
SAQ-0602C-4R7M	4.7	100KHz	0.145	1.60
SAQ-0602C-6R8M	6.8	100KHz	0.165	1.30
SAQ-0602C-100M	10	100KHz	0.240	1.00
SAQ-0602C-150M	15	100KHz	0.300	0.90
SAQ-0602C-220M	22	100KHz	0.420	0.70
SAQ-0602C-330M	33	100KHz	0.550	0.60
SAQ-0602C-470M	47	100KHz	0.765	0.50
SAQ-0602C-680M	68	100KHz	1.10	0.40
SAQ-0602C-101M	100	100KHz	1.60	0.30
SAQ-0602C-151M	150	100KHz	2.50	0.25
SAQ-0602C-221M	220	100KHz	3.65	0.22
SAQ-0602C-331M	330	100KHz	4.65	0.18
SAQ-0602C-471M	470	100KHz	6.75	0.14
SAQ-0602C-681M	680	100KHz	9.15	0.12
SAQ-0602C-102M	1000	100KHz	14.20	0.10

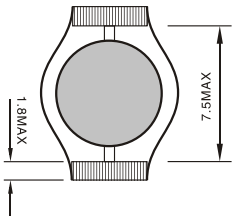
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

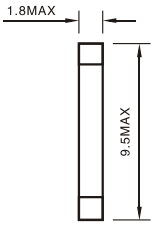
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

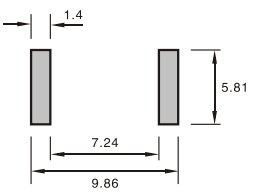
Inductance(L)measured@noted frequencies with 0DC bias
Operating Temperature:–55℃to85℃
Inductsnce Drops By 10%at Max rated in uH
Marking per EIA Standard colour code in uH
Dimensions in mm
Specifications subject to change without notice

DIMENSIONS IN: mm









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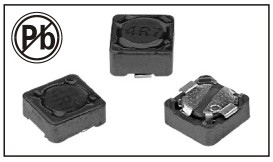


MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

L-KLS18-SPRH SERIES

FEATURES:

- Shiedlded Structure
- Flat-top for pick and place
- Low Resistance Allow high Current
- Excellent Thermal Stability
- Low profile

OPTIONS:

- Tape & Reel is Standard (Qty:2000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:K=10%,M=20% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Ideal for a variety of DC-DC converter Inductors Applications.
- DC/DC converter
- Power supplies for: porttable communication equipment
- Camcordert
- LCD,TV,PDA,PDP
- Notebook computer

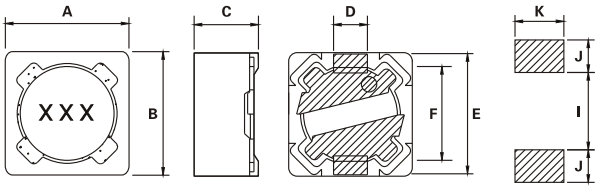
STANDARD SPECIFICATION:

Part Number	Inductance L(μH)	DCR(Ω)							IDC(A)						
		SPRH 0603	SPRH 0605	SPRH 0703	SPRH 0704	SPRH 1204	SPRH 1205	SPRH 1207	SPRH 0603	SPRH 0605	SPRH 0703	SPRH 0704	SPRH 1204	SPRH 1205	SPRH 1207
1R2	1.2							0.007							9.80
2R4	2.4							0.0115							8.00
3R5	3.5	0.027						0.0135	3.0						7.50
4R7	4.7	0.031						0.0158	2.4						6.80
6R1	6.1	0.035						0.0176	3.25						6.60
7R6	7.6	0.054						0.0200	2.10						5.90
100	10	0.065	0.12	0.076	0.056	0.028	0.025	0.0220	1.70	1.35	1.68	1.84	4.50	4.00	5.40
120	12	0.070	0.13	0.098	0.06	0.038	0.027	0.0243	1.55	1.20	1.52	1.71	4.00	3.50	4.90
150	15	0.084	0.18	0.15	0.085	0.050	0.030	0.0270	1.40	1.10	1.33	1.47	3.20	3.30	4.50
180	18	0.095	0.24	0.17	0.10	0.057	0.030	0.0392	1.32	1.00	1.20	1.31	3.10	3.00	3.90
220	22	0.128	0.27	0.19	0.11	0.066	0.036	0.0432	1.20	0.91	1.07	1.23	2.90	2.80	3.60
270	27	0.142	0.30	0.23	0.18	0.080	0.051	0.0459	1.05	0.82	0.96	1.12	2.80	2.30	3.40
330	33	0.165	0.33	0.28	0.25	0.097	0.057	0.0648	0.97	0.75	0.91	0.96	2.70	2.10	3.00
390	39	0.210	0.37	0.34	0.26	0.132	0.068	0.0729	0.86	0.69	0.77	0.91	2.10	2.00	2.75
470	47	0.238	0.52	0.36	0.28	0.150	0.075	0.100	0.80	0.62	0.76	0.88	1.90	1.80	2.50
560	56	0.277	0.56	0.47	0.40	0.190	0.11	0.110	0.73	0.58	0.68	0.75	1.80	1.70	2.35
680	68	0.304	0.63	0.52	0.43	0.220	0.12	0.140	0.65	0.52	0.61	0.69	1.50	1.50	2.10
820	82	0.390	0.71	0.69	0.61	0.260	0.14	0.160	0.60	0.47	0.57	0.61	1.30	1.40	1.95
101	100	0.535	1.03	0.79	0.66	0.308	0.16	0.220	0.54	0.43	0.50	0.60	1.20	1.30	1.70
121	120	0.650	1.15	0.89	0.88	0.380	0.17	0.250	0.30	0.39	0.49	0.52	1.10	1.10	1.60
151	150	0.820	1.68	1.27	0.98	0.530	0.23	0.280	0.30	0.35	0.43	0.46	0.95	1.00	1.42
181	180	1.10	1.87	1.45	1.17	0.620	0.29	0.350	0.28	0.32	0.39	0.42	0.85	0.90	1.30
221	220	1.45	2.08	1.65	1.86	0.700	0.40	0.390	0.24	0.29	0.35	0.36	0.80	0.80	1.16
271	270	1.72	2.37	2.31	2.85	0.870	0.46	0.560	0.22	0.26	0.32	0.34	0.60	0.75	1.06
331	330	2.05	2.67	2.62	3.01	0.990	0.51	0.640	0.20	0.25	0.28	0.32	0.50	0.68	0.95
391	390	2.52	2.94	2.94	3.62		0.69	0.700	0.18	0.22	0.26	0.29		0.65	0.88
471	470	3.12	3.93	4.18	4.63		0.77	0.980	0.16	0.20	0.24	0.26		0.58	0.79
561	560	3.85	5.45	4.67	5.20		0.86	1.070	0.12	0.18	0.22	0.23		0.54	0.73
681	680	4.52	7.32	5.73	6.00		1.20	1.460	0.11	0.17	0.19	0.22		0.48	0.67
821	820	5.29	8.24	6.54	6.00		1.34	1.640	0.10	0.15	0.18	0.20		0.43	0.60
102	1000	7.22	9.24	9.44	6.00		1.53	1.820	0.08	0.14	0.16	0.18		0.40	0.55

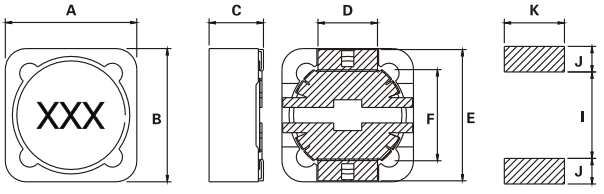
TECHNICAL INFORMATION & CHARACTERISTICS:

SHAPE and DIMENSION

0603/0605/0703/0704



1204/1205/1207



TYPE	SPRH-0603	SPRH-0605	SPRH-0703	SPRH-0704	SPRH-1204	SPRH-1205	SPRH-1207
A	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
B	6.5Max	6.5Max	7.5Max	7.5Max	12.3Max	12.3Max	12.3Max
C	3.0Max	5.0Max	3.4Max	4.5Max	4.5Max	6.0Max	8.0Max
D	1.5	1.5	1.8	1.8	5.0	5.0	5.0
E	6.6	6.6	7.2	7.2	11.8	11.8	11.8
F	4.6	4.6	5.4	5.4	7.6	7.6	7.6
I	4.6	4.6	4.8	4.8	7.0	7.0	7.0
J	1.4	1.4	1.5	1.5	2.8	2.8	2.8
K	1.9	1.9	2.2	2.2	5.4	5.4	5.4

Test Equipment and Conditions

- ◆Inductance is measured with HP-4284A LCR meter or equivalent.
- ◆Maximum allowable DC current is that which causes a 25% inductance reduction of the initial value, or coil temerature to rise by 40℃,whichever is smaller.(Reference ambient temperature 20℃)
- ◆Operating temperature:-25℃~+85℃.

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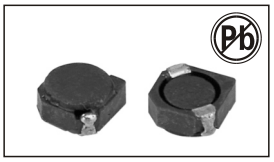
MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPM2D11 / 3D16 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:30% and 20% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

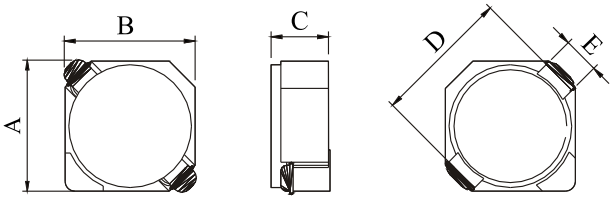
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPM2D11-1R5N	1.5	100	0.068	0.90
SPM2D11-2R2N	2.2	100	0.098	0.78
SPM2D11-3R3N	3.3	100	0.123	0.60
SPM2D11-4R7N	4.7	100	0.170	0.50
SPM2D11-6R8N	6.8	100	0.260	0.44
SPM2D11-100N	10	100	0.400	0.35
SPM2D11-220N	22	100	1.000	0.25
SPM2D11-2R2N	2.2	100	0.041	0.85
SPM2D11-2R2N	3.3	100	0.054	0.75
SPM2D11-4R7N	4.7	100	0.078	0.63
SPM2D11-6R8N	6.8	100	0.106	0.52
SPM2D11-100N	10	100	0.180	0.43
SPM2D11-150N	15	100	0.220	0.35
SPM2D11-220N	22	100	0.320	0.30
SPM2D11-330N	33	100	0.460	0.24
SPM2D11-470N	47	100	0.660	0.20

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPM3D16-1R0N	1.0	100	0.048	1.80
SPM3D16-1R5N	1.5	100	0.054	1.55
SPM3D16-2R2N	2.2	100	0.072	1.20
SPM3D16-3R3N	3.3	100	0.105	1.03
SPM3D16-3R9N	3.9	100	0.118	1.02
SPM3D16-4R7N	4.7	100	0.132	0.95
SPM3D16-5R6N	5.6	100	0.148	0.75
SPM3D16-6R8N	6.8	100	0.195	0.73
SPM3D16-8R2N	8.2	100	0.250	0.65
SPM3D16-100N	10	100	0.275	0.58
SPM3D16-120N	12	100	0.312	0.50
SPM3D16-150N	15	100	0.412	0.46
SPM3D16-180N	18	100	0.462	0.43
SPM3D16-220N	22	100	0.600	0.40
SPM3D16-270N	27	100	0.712	0.35
SPM3D16-330N	33	100	0.925	0.32
SPM3D16-390N	39	100	1.062	0.28
SPM3D16-470N	47	100	1.175	0.26

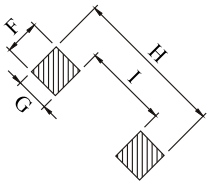
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



CONSTRUCTION

LAND PATTERNS



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SPM2D11	3.2Max	3.2Max	1.2Max	3.3	1.0	1.3	1.3	4.3	1.7
SPM2D18	3.2Max	3.2Max	2.0Max	3.3	1.0	1.3	1.3	4.3	1.7
SPM3D16	4.0Max	4.0Max	1.9Max	4.4	1.1	1.5	1.4	5.2	2.4

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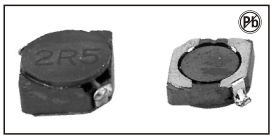


MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-WBD4D18 / 4D28 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.56A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

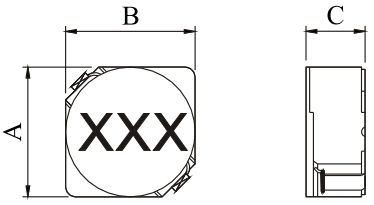
ELECTRICAL CHARACTERISTICS:

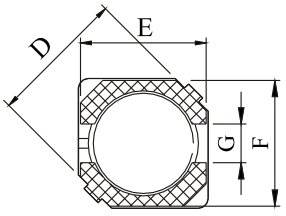
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
WBD4D18-1R0N	1.0	100	0.034	1.72
WBD4D18-2R2N	2.2	100	0.045	1.32
WBD4D18-2R7N	2.7	100	0.058	1.28
WBD4D18-3R3N	3.3	100	0.070	1.04
WBD4D18-3R9N	3.9	100	0.082	0.88
WBD4D18-4R7N	4.7	100	0.093	0.84
WBD4D18-5R6N	5.6	100	0.112	0.80
WBD4D18-6R8N	6.8	100	0.140	0.76
WBD4D18-8R2N	8.2	100	0.174	0.68
WBD4D18-100N	10	100	0.200	0.61
WBD4D18-120N	12	100	0.229	0.56
WBD4D18-150N	15	100	0.261	0.50
WBD4D18-180N	18	100	0.295	0.48
WBD4D18-220N	22	100	0.397	0.41
WBD4D18-270N	27	100	0.441	0.35
WBD4D18-330N	33	100	0.525	0.32
WBD4D18-390N	39	100	0.60	0.30
WBD4D18-470N	47	100	0.72	0.28
WBD4D18-560N	56	100	0.83	0.25
WBD4D18-680N	68	100	0.97	0.23
WBD4D18-820N	82	100	1.53	0.21
WBD4D18-101N	100	100	1.68	0.20
WBD4D18-121N	120	100	2.06	0.19
WBD4D18-151N	150	100	2.58	0.17
WBD4D18-181N	180	100	2.95	0.16
WBD4D18-221N	220	100	4.17	0.15
WBD4D18-271N	270	100	4.70	0.13
WBD4D18-331N	330	100	5.37	0.12
WBD4D18-391N	390	100	8.91	0.11

Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
WBD4D28-1R0N	1.0	100	25.3	2.56
WBD4D28-1R5N	1.5	100	31.8	2.38
WBD4D28-1R8N	1.8	100	36.9	2.20
WBD4D28-2R7N	2.7	100	50.4	1.60
WBD4D28-3R3N	3.3	100	57.6	1.57
WBD4D28-3R9N	3.9	100	66.4	1.44
WBD4D28-4R7N	4.7	100	72.0	1.32
WBD4D28-5R6N	5.6	100	80.0	1.17
WBD4D28-6R8N	6.8	100	92.0	1.12
WBD4D28-8R2N	8.2	100	98.0	1.04
WBD4D28-100N	10	100	103	1.00
WBD4D28-120N	12	100	128	0.84
WBD4D28-150N	15	100	144	0.76
WBD4D28-180N	18	100	186	0.72
WBD4D28-220N	22	100	218	0.70
WBD4D28-270N	27	100	252	0.58
WBD4D28-330N	33	100	285	0.56
WBD4D28-390N	39	100	408	0.50
WBD4D28-470N	47	100	440	0.48
WBD4D28-560N	56	100	550	0.41
WBD4D28-680N	68	100	620	0.35
WBD4D28-820N	82	100	920	0.32
WBD4D28-101N	100	100	1030	0.29
WBD4D28-121N	120	100	1520	0.27
WBD4D28-151N	150	100	1680	0.24
WBD4D28-181N	180	100	1900	0.22

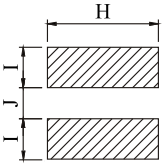
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:





LAND PATTERNS



CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I	J
WBD4D18	5.0Max	5.0Max	2.0Max	6.9Max	4.5	4.5	1.5	5.3	1.9	1.5
WBD4D28	5.0Max	5.0Max	3.1Max	6.9Max	4.5	4.5	1.5	5.3	1.9	1.5

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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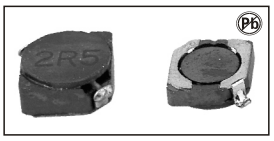
MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-WBD5D18 / 5D28 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.86A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

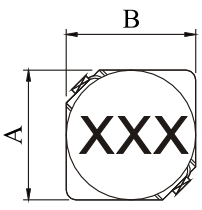
ELECTRICAL CHARACTERISTICS:

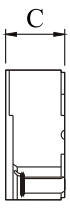
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
WBD5D18-1R0N	1.0	10	0.028	3.86	WBD5D28-2R5N	2.5	10	0.018	2.60
WBD5D18-1R5N	1.5	10	0.036	3.12	WBD5D28-3R0N	3.0	10	0.024	2.40
WBD5D18-2R2N	2.2	10	0.043	2.63	WBD5D28-4R2N	4.2	10	0.031	2.20
WBD5D18-2R7N	2.7	10	0.051	2.38	WBD5D28-5R3N	5.3	10	0.038	1.90
WBD5D18-3R5N	3.5	10	0.063	1.95	WBD5D28-6R2N	6.2	10	0.045	1.80
WBD5D18-4R7N	4.7	10	0.072	1.76	WBD5D28-8R2N	8.2	10	0.053	1.60
WBD5D18-5R6N	5.6	10	0.083	1.60	WBD5D28-100N	10	10	0.065	1.30
WBD5D18-6R8N	6.8	10	0.102	1.40	WBD5D28-120N	12	10	0.076	1.20
WBD5D18-8R2N	8.2	10	0.116	1.25	WBD5D28-150N	15	10	0.103	1.10
WBD5D18-100N	10	10	0.124	1.20	WBD5D28-180N	18	10	0.110	1.00
WBD5D18-120N	12	10	0.162	1.10	WBD5D28-220N	22	10	0.112	0.90
WBD5D18-150N	15	10	0.204	0.97	WBD5D28-270N	27	10	0.175	0.85
WBD5D18-180N	18	10	0.226	0.85	WBD5D28-330N	33	10	0.189	0.75
WBD5D18-220N	22	10	0.265	0.80	WBD5D28-390N	39	10	0.212	0.70
WBD5D18-270N	27	10	0.320	0.75	WBD5D28-470N	47	10	0.250	0.62
WBD5D18-330N	33	10	0.380	0.65	WBD5D28-560N	56	10	0.305	0.58
WBD5D18-390N	39	10	0.496	0.57	WBD5D28-680N	68	10	0.355	0.52
WBD5D18-470N	47	10	0.525	0.54	WBD5D28-820N	82	10	0.463	0.46
WBD5D18-560N	56	10	0.795	0.50	WBD5D28-101N	100	10	0.520	0.42
WBD5D18-680N	68	10	0.860	0.43					
WBD5D18-820N	82	10	0.980	0.41					
WBD5D18-101N	100	10	1.250	0.36					

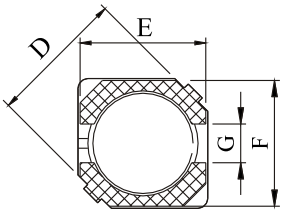
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

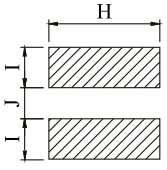
PHYSICAL CHARACTERISTICS:







LAND PATTERNS



CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I	J
WBD5D18	6.0Max	6.0Max	2.2Max	8.2Max	5.5	5.5	2.0	6.3	2.15	2.0
WBD5D28	5.7Max	5.7Max	3.2Max	8.2Max	5.5	5.5	2.0	6.3	2.15	2.0

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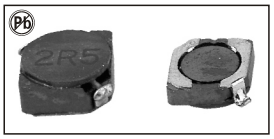


MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-WBD6D28 / 6D38 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

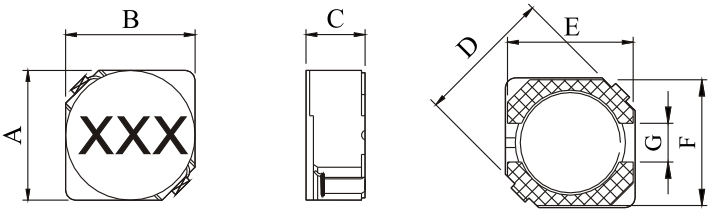
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

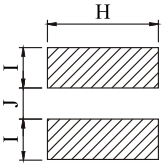
Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
WBD5D18-3R0N	3.0	10	24	3.00	WBD6D38-3R3N	3.3	10	20	3.20
WBD5D18-3R0N	3.9	10	27	2.60	WBD6D38-5R0N	5.0	10	24	2.60
WBD5D18-3R0N	5.0	10	31	2.40	WBD6D38-6R2N	6.2	10	27	2.30
WBD5D18-3R0N	6.0	10	35	2.25	WBD6D38-7R4N	7.4	10	31	2.10
WBD5D18-3R0N	7.3	10	54	2.10	WBD6D38-8R7N	8.7	10	34	2.00
WBD5D18-3R0N	8.6	10	58	1.85	WBD6D38-100N	10	10	44	1.80
WBD5D18-100N	10	10	65	1.70	WBD6D38-120N	12	10	53	1.70
WBD5D18-120N	12	10	70	1.55	WBD6D38-150N	15	10	57	1.45
WBD5D18-150N	15	10	84	1.40	WBD6D38-180N	18	10	92	1.40
WBD5D18-180N	18	10	95	1.32	WBD6D38-220N	22	10	96	1.20
WBD5D18-220N	22	10	128	1.20	WBD6D38-270N	27	10	109	1.10
WBD5D18-270N	27	10	142	1.05	WBD6D38-330N	33	10	124	1.00
WBD5D18-330N	33	10	165	0.97	WBD6D38-390N	39	10	138	0.95
WBD5D18-390N	39	10	210	0.86	WBD6D38-470N	47	10	155	0.85
WBD5D18-470N	47	10	238	0.80	WBD6D38-560N	56	10	202	0.75
WBD5D18-560N	56	10	277	0.73	WBD6D38-680N	68	10	234	0.70
WBD5D18-680N	68	10	304	0.65	WBD6D38-820N	82	10	324	0.62
WBD5D18-820N	82	10	390	0.60	WBD6D38-101N	100	10	358	0.58
WBD5D18-101N	100	10	535	0.54					

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



LAND PATTERNS



CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I	J
WBD6D28	7.0Max	7.0Max	3.2Max	9.5Max	6.5	6.5	2.0	7.3	2.65	2.0
WBD6D38	7.0Max	7.0Max	4.2Max	9.5Max	6.5	6.5	2.0	7.3	2.65	2.0

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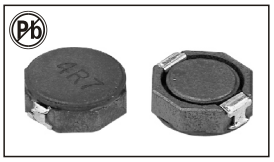
MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-WBD8D28 / 8D43 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.4A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

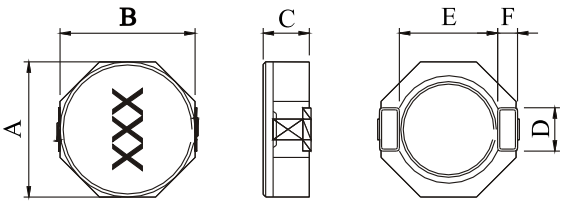
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

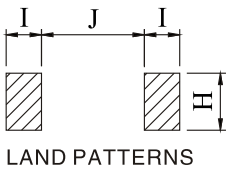
Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR mΩ Max	IDC Max A
WBD8D28-2R5N	2.5	100	18.5	5.4	WBD8D43-2R0N	2.0	100	14	6.4
WBD8D28-3R3N	3.3	100	24.6	4.8	WBD8D43-3R9N	3.9	100	19	5.0
WBD8D28-4R7N	4.7	100	36.8	4.0	WBD8D43-4R7N	4.7	100	22	4.6
WBD8D28-6R8N	6.8	100	48.4	3.2	WBD8D43-6R8N	6.8	100	32	4.2
WBD8D28-100N	100	100	62.2	2.7	WBD8D43-100N	10	100	40	3.6
WBD8D28-150N	150	100	93.5	2.2	WBD8D43-150N	15	100	58	2.6
WBD8D28-220N	220	100	156.6	1.8	WBD8D43-220N	22	100	96	2.1
WBD8D28-330N	330	100	205.2	1.4	WBD8D43-330N	33	100	144	1.6
WBD8D28-470N	470	100	266.1	1.25	WBD8D43-470N	47	100	195	1.4
WBD8D28-680N	680	100	368.5	0.96	WBD8D43-680N	68	100	240	1.2
WBD8D28-101N	101	100	610.8	0.78	WBD8D43-101N	100	100	360	0.9

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:



PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	H	I	J
WBD8D28	8.3Max	8.3Max	3.0Max	2.5	6.3	1.2	2.8	2.0	6.1
WBD8D43	8.3Max	8.3Max	4.5Max	2.5	6.3	1.2	2.8	2.0	6.1

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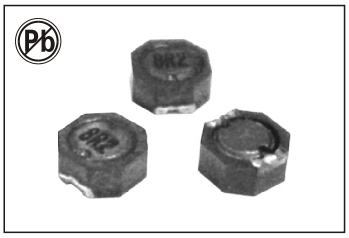


MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

L-KLS18-SPN3818, 5018 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2500pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

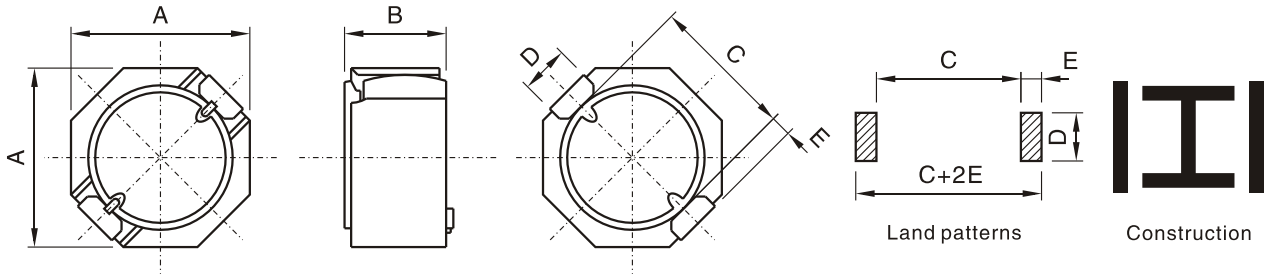
ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPN3818-1R0M	1.0	100	0.030	1.80
SPN3818-2R2M	2.2	100	0.058	1.50
SPN3818-3R3M	3.3	100	0.064	1.30
SPN3818-4R7M	4.7	100	0.146	1.10
SPN3818-5R6M	5.6	100	0.176	0.95
SPN3818-6R8M	6.8	100	0.238	0.90
SPN3818-8R2M	8.2	100	0.272	0.80
SPN3818-100M	10	1	0.299	0.70
SPN3818-150M	15	1	0.472	0.61
SPN3818-220M	22	1	0.592	0.52
SPN3818-270M	27	1	0.630	0.44
SPN3818-330M	33	1	1.075	0.43
SPN3818-470M	47	1	1.309	0.34
SPN3818-680M	68	1	2.613	0.25
SPN3818-820M	82	1	2.950	0.20
SPN3818-101M	100	1	3.255	0.19
SPN3818-151M	150	1	3.500	0.12

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPN5018-1R2M	1.2	100	0.054	1.80
SPN5018-1R8M	1.8	100	0.065	1.60
SPN5018-2R3M	2.3	100	0.076	1.50
SPN5018-3R6M	3.6	100	0.097	1.20
SPN5018-4R3M	4.3	100	0.100	1.10
SPN5018-5R1M	5.1	100	0.130	1.00
SPN5018-6R8M	6.8	100	0.150	0.94
SPN5018-100M	10	100	0.220	0.80
SPN5018-150M	15	100	0.325	0.64
SPN5018-180M	18	100	0.380	0.56
SPN5018-220M	22	100	0.540	0.49
SPN5018-330M	33	100	0.770	0.41
SPN5018-470M	47	100	1.120	0.33

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS & TECHNICAL INFORMATION



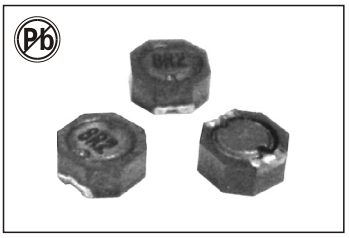
DIMENSIONS IN:mm

Part number	A	B	C	D	E	C+2E
SPN3818	3.85±0.3	1.8Max	3.2	1.6	0.5	4.2
SPN5018	5.20Max	3.0Max	4.2±0.5	1.4±0.5	0.6±0.3	5.4

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter Q– HP4342A – SRF–HP4191A IDCMax Current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPN5020, 5028 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2500pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

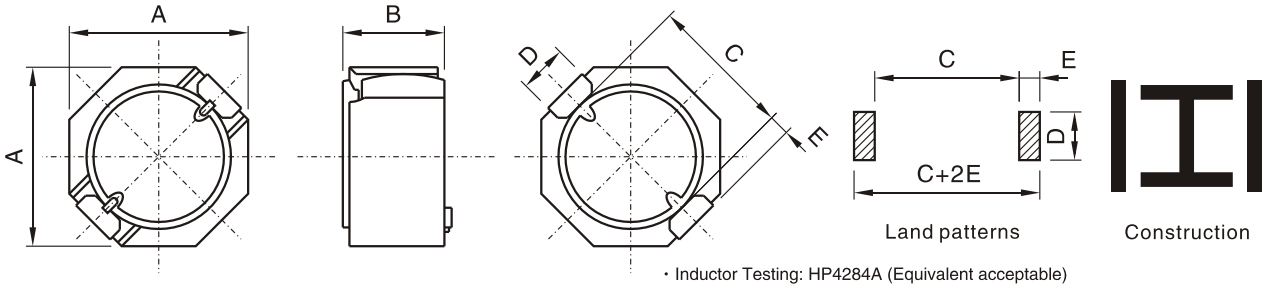
ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPN5020-1R2M	1.2	100	0.044	2.15
SPN5020-2R2M	2.2	100	0.059	1.63
SPN5020-3R3M	3.3	100	0.062	1.50
SPN5020-4R7M	4.7	100	0.087	1.14
SPN5020-6R8M	6.8	100	0.105	0.95
SPN5020-8R2M	8.2	100	0.139	0.90
SPN5020-100M	10	1	0.150	0.76
SPN5020-150M	15	1	0.210	0.63
SPN5020-220M	22	1	0.275	0.56
SPN5020-330M	33	1	0.455	0.44
SPN5020-470M	47	1	0.730	0.35
SPN5020-680M	68	1	0.935	0.30
SPN5020-101M	100	1	1.500	0.23
SPN5020-121M	120	1	1.910	0.22
SPN5020-151M	150	1	2.680	0.21
SPN5020-181M	180	1	3.040	0.20
SPN5020-221M	220	1	3.520	0.195
SPN5020-271M	270	1	4.380	0.193
SPN5020-331M	330	1	5.560	0.190
SPN5020-471M	470	1	7.820	0.180

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPN5028-1R0M	1.0	100	0.015	4.00
SPN5028-2R2M	2.2	100	0.029	2.41
SPN5028-3R3M	3.3	100	0.034	2.36
SPN5028-4R7M	4.7	100	0.045	1.87
SPN5028-5R6M	5.6	100	0.052	1.60
SPN5028-6R8M	6.8	100	0.068	1.51
SPN5028-100M	10	1	0.090	1.33
SPN5028-150M	15	1	0.142	1.05
SPN5028-220M	22	1	0.208	0.86
SPN5028-330M	33	1	0.257	0.72
SPN5028-470M	47	1	0.352	0.62
SPN5028-680M	68	1	0.525	0.51
SPN5028-101M	100	1	0.801	0.43
SPN5028-121M	120	1	0.850	0.34
SPN5028-151M	150	1	1.100	0.26
SPN5028-181M	180	1	1.190	0.24
SPN5028-221M	220	1	1.530	0.20

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS & TECHNICAL INFORMATION



DIMENSIONS IN:mm

Part number	A	B	C	D	E	C+2E
SPN5020	5.00±0.3	2.0Max	4.2	1.6	0.6	5.4
SPN5028	5.30±0.3	2.8Max	4.2	1.6	0.6	5.4

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter Q– HP4342A – SRF–HP4191A IDCMax Current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

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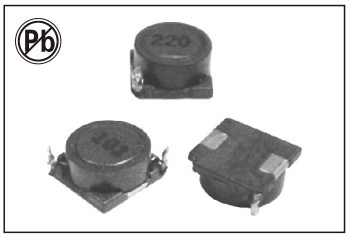


MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SRR6025-6028 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

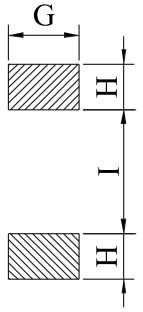
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SRR6025-1R0N	1.0	100	0.016	2.70
SRR6025-2R7N	2.7	100	0.022	1.80
SRR6025-4R7N	4.7	100	0.037	1.50
SRR6025-6R8N	6.8	100	0.054	1.30
SRR6025-100M	10	100	0.069	1.00
SRR6025-150M	15	100	0.102	0.88
SRR6025-220M	22	100	0.147	0.73
SRR6025-330K	33	100	0.216	0.59
SRR6025-470M	47	100	0.288	0.48
SRR6025-680K	68	100	0.444	0.42
SRR6025-101M	100	100	0.600	0.33
SRR6028-4R7N	4.7	1	0.035	1.60
SRR6028-6R8N	6.8	1	0.043	1.50
SRR6028-100M	10	1	0.064	1.30
SRR6028-150M	15	1	0.090	1.00
SRR6028-220M	22	1	0.125	0.77
SRR6028-330K	33	1	0.178	0.69
SRR6028-470M	47	1	0.252	0.59
SRR6028-680K	68	1	0.348	0.50
SRR6028-101M	100	1	0.516	0.42

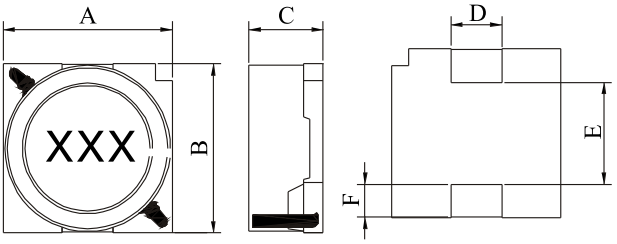
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION

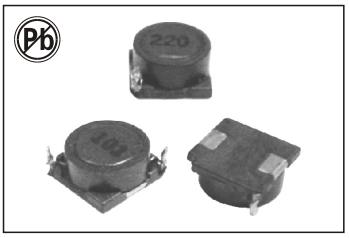
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SRR6025	6.3Max	6.3Max	2.8Max	2.0	4.0	1.2	2.8	2.0	2.0
SRR6028	6.3Max	6.3Max	3.1Max	2.0	4.0	1.2	2.8	2.0	2.0

MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SRR7028-7030 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

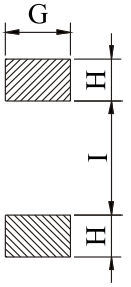
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SRR7028-3R3N	3.3	1	0.045	1.60
SRR7028-4R7N	4.7	1	0.054	1.50
SRR7028-6R8N	6.8	1	0.071	1.30
SRR7028-100M	10	1	0.100	1.10
SRR7028-150M	15	1	0.156	0.88
SRR7028-220M	22	1	0.216	0.75
SRR7028-330K	33	1	0.288	0.65
SRR7028-470M	47	1	0.408	0.54
SRR7030-3R3N	3.3	1	0.028	1.80
SRR7030-4R7N	4.7	1	0.044	1.60
SRR7030-6R8N	6.8	1	0.050	1.50
SRR7030-100M	10	1	0.064	1.30
SRR7030-150M	15	1	0.110	1.00
SRR7030-220M	22	1	0.132	0.86
SRR7030-330K	33	1	0.192	0.65
SRR7030-470M	47	1	0.288	0.57
SRR7030-680M	68	1	0.372	0.49
SRR7030-101M	100	1	0.540	0.35

Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS

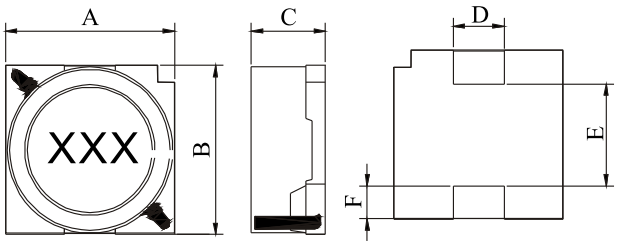


LAND PATTERNS

CONSTRUCTION

TECHNICAL INFORMATION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.



DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SRR7028	7.3Max	7.3Max	3.2Max	2.0	4.9	1.1	2.8	2.0	2.0
SRR7030	7.3Max	7.3Max	3.4Max	2.0	4.9	1.1	2.8	2.0	2.0

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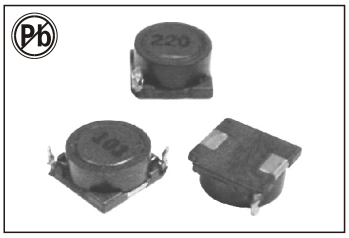


MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SRR7032-7045 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 1.9A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

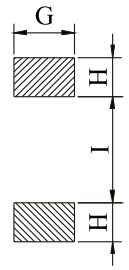
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SRR7032-3R3N	3.3	1	0.028	1.90
SRR7032-4R7N	4.7	1	0.044	1.70
SRR7032-6R8N	6.8	1	0.050	1.60
SRR7032-100M	10	1	0.064	1.40
SRR7032-150M	15	1	0.090	1.10
SRR7032-220M	22	1	0.132	0.96
SRR7032-330K	33	1	0.192	0.75
SRR7032-470M	47	1	0.288	0.67
SRR7032-680M	68	1	0.372	0.59
SRR7032-101M	100	1	0.542	0.45
SRR7032-151M	150	1	0.780	0.37
SRR7032-221M	220	1	1.260	0.29
SRR7032-331M	330	1	2.010	0.22
SRR7032-471M	470	1	2.460	0.20
SRR7032-681M	680	1	3.780	0.16
SRR7032-102M	1000	1	5.740	0.13
SRR7045-3R3N	3.3	1	0.034	2.20
SRR7045-4R7N	4.7	1	0.038	2.10
SRR7045-6R8N	6.8	1	0.047	1.90
SRR7045-100M	10	1	0.057	1.80
SRR7045-150M	15	1	0.082	1.46
SRR7045-220M	22	1	0.099	1.25
SRR7045-330K	33	1	0.144	1.10
SRR7045-470M	47	1	0.216	0.90
SRR7045-680M	68	1	0.324	0.75
SRR7045-101M	100	1	0.468	0.60
SRR7045-151M	150	1	0.660	0.50
SRR7045-221M	220	1	0.996	0.40
SRR7045-331M	330	1	1.380	0.35
SRR7045-471M	470	1	2.160	0.31

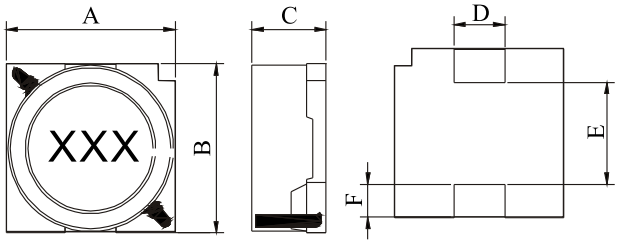
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION

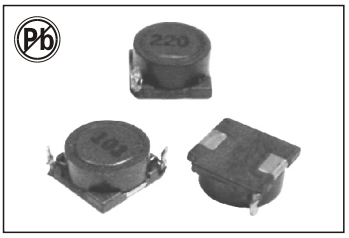
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SRR7032	7.3Max	7.3Max	3.8Max	2.0	4.9	1.1	2.8	2.0	2.0
SRR7045	7.3Max	7.3Max	4.8Max	2.0	4.9	1.1	2.8	2.0	2.0

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

L-KLS18-SRR10145-12555 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

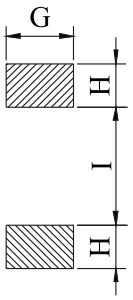
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SRR10145-3R3N	3.3	1	0.020	3.70
SRR10145-5R6N	5.6	1	0.027	3.20
SRR10145-100M	10	1	0.044	2.50
SRR10145-150M	15	1	0.057	2.20
SRR10145-220M	22	1	0.070	1.90
SRR10145-330K	33	1	0.100	1.70
SRR10145-470M	47	1	0.120	1.50
SRR10145-680M	68	1	0.168	1.30
SRR10145-101M	100	1	0.240	1.10
SRR10145-151M	150	1	0.420	0.81
SRR10145-221M	220	1	0.564	0.70
SRR10145-331M	330	1	0.816	0.58
SRR10145-471M	470	1	1.236	0.47
SRR10145-681M	680	1	1.920	0.38
SRR10145-102M	1000	1	3.360	0.29
SRR10145-122M	1200	1	3.600	0.25
SRR10145-152M	1500	1	4.080	0.22
SRR12555-6R0N	6.0	1	0.020	3.60
SRR12555-100M	10	1	0.026	3.40
SRR12555-150M	15	1	0.032	2.80
SRR12555-220M	22	1	0.041	2.30
SRR12555-330M	33	1	0.050	1.90
SRR12555-470M	47	1	0.075	1.60
SRR12555-680M	68	1	0.100	1.30
SRR12555-101M	100	1	0.150	1.10
SRR12555-151M	150	1	0.230	0.88
SRR12555-221M	220	1	0.330	0.72
SRR12555-331M	330	1	0.492	0.59
SRR12555-471M	470	1	0.624	0.49
SRR12555-681M	680	1	0.912	0.43
SRR12555-102M	1000	1	1.344	0.34
SRR12555-152M	1500	1	2.076	0.29

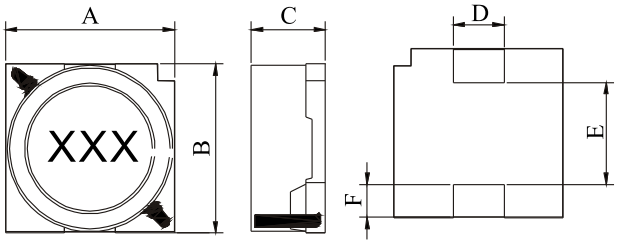
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SRR10145	10.4Max	10.4Max	4.8Max	3.0	6.0	2.0	3.8	2.5	5.8
SRR12555	12.8Max	12.8Max	5.8Max	3.0	8.6	2.0	3.8	2.5	8.5

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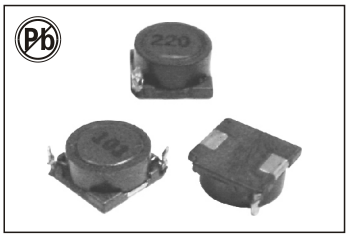


MAGNETIC SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SRR12565-12575 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 6.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

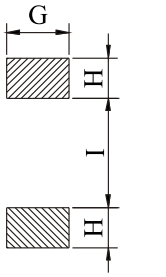
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SRR12565-2R2N	2.2	1	0.014	6.20
SRR12565-4R2N	4.2	1	0.018	5.50
SRR12565-7R0N	7.0	1	0.022	5.00
SRR12565-100M	10	1	0.025	4.80
SRR12565-150M	15	1	0.029	4.40
SRR12565-220M	22	1	0.038	3.80
SRR12565-330M	33	1	0.049	3.40
SRR12565-470M	47	1	0.070	2.80
SRR12565-680M	68	1	0.095	2.40
SRR12565-101M	100	1	0.150	1.90
SRR12565-151M	150	1	0.260	1.40
SRR12565-221M	220	1	0.330	1.20
SRR12565-331M	330	1	0.600	0.95
SRR12575-1R2N	1.2	1	0.009	8.20
SRR12575-2R7N	2.7	1	0.012	7.00
SRR12575-3R9N	3.9	1	0.013	6.70
SRR12575-5R6N	5.6	1	0.014	6.30
SRR12575-6R8N	6.8	1	0.016	5.90
SRR12575-100M	10	1	0.019	5.40
SRR12575-150M	15	1	0.023	5.00
SRR12575-220M	22	1	0.032	4.00
SRR12575-330M	33	1	0.048	3.20
SRR12575-470M	47	1	0.064	2.70
SRR12575-680M	68	1	0.094	2.00
SRR12575-101M	100	1	0.150	1.90
SRR12575-151M	150	1	0.210	1.50
SRR12575-221M	220	1	0.310	1.30
SRR12575-331M	330	1	0.410	1.00

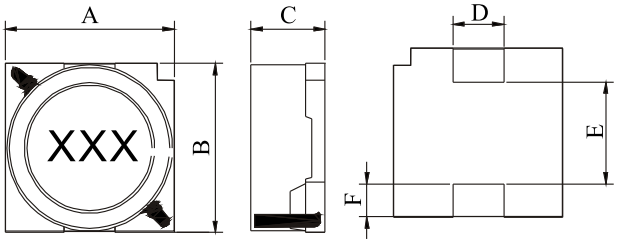
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION

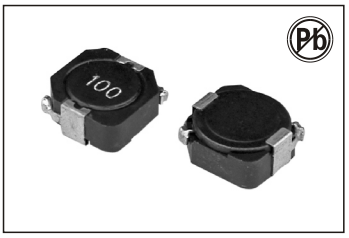
DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SRR12565	12.8Max	12.8Max	6.8Max	3.0	8.6	2.0	3.8	2.5	8.5
SRR12575	12.8Max	12.8Max	7.8Max	3.0	8.6	2.0	3.8	2.5	8.5

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

L-KLS18-SPM103-104 SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 2.7A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

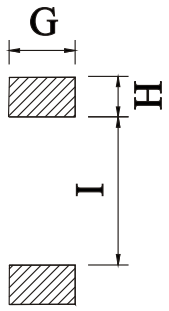
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPM103-100M	10	100	0.0581	2.70
SPM103-120M	12	100	0.0721	2.25
SPM103-150M	15	100	0.0865	2.22
SPM103-180M	18	100	0.1161	1.90
SPM103-220M	22	100	0.1454	1.78
SPM103-270M	27	100	0.1759	1.63
SPM103-330M	33	100	0.2134	1.46
SPM103-390M	39	100	0.2689	1.32
SPM103-470M	47	100	0.2986	1.18
SPM103-560M	56	100	0.3358	1.10
SPM103-680M	68	100	0.4513	1.04
SPM103-820M	82	100	0.5138	0.94
SPM103-101M	100	100	0.7000	0.84
SPM103-121M	120	100	0.7650	0.76
SPM103-151M	150	100	0.8763	0.70
SPM104-1R3N	1.3	100	0.008	10.0
SPM104-2R5N	2.5	100	0.010	7.50
SPM104-3R8N	3.8	100	0.013	6.00
SPM104-5R2N	5.2	100	0.022	5.50
SPM104-7R0N	7.0	100	0.027	4.80
SPM104-100M	10	100	0.035	4.40
SPM104-150M	15	100	0.050	3.60
SPM104-220M	22	100	0.073	2.90
SPM104-330M	33	100	0.093	2.30
SPM104-470M	47	100	0.128	2.10
SPM104-680M	68	100	0.213	1.50
SPM104-101M	100	100	0.304	1.35
SPM104-151M	150	100	0.506	1.15
SPM104-221M	220	100	0.756	0.92
SPM104-331M	330	100	1.090	0.70

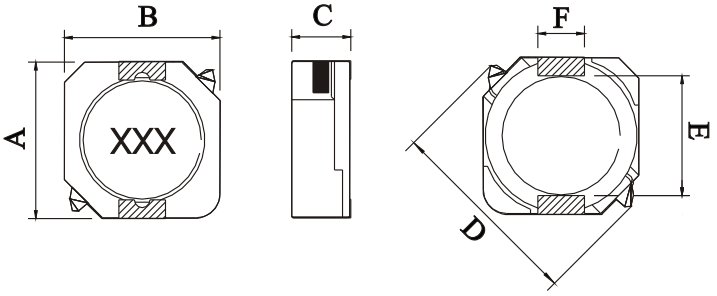
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION:

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q- HP4342A - SRF-HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: -40℃ to +105℃
- Storage Temperature: -40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SPM103	10.3Max	10.4Max	3.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3
SPM104	10.3Max	10.4Max	4.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3

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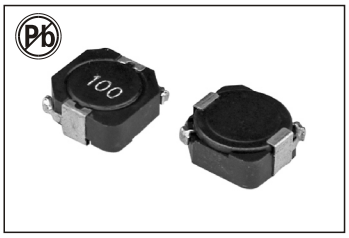


MAGNETIC SHIELDED SURFACE-MOUNT POWER INDUCTORS

L-KLS18-SPM105 SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.45A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

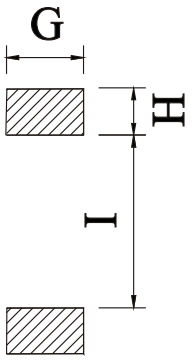
OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

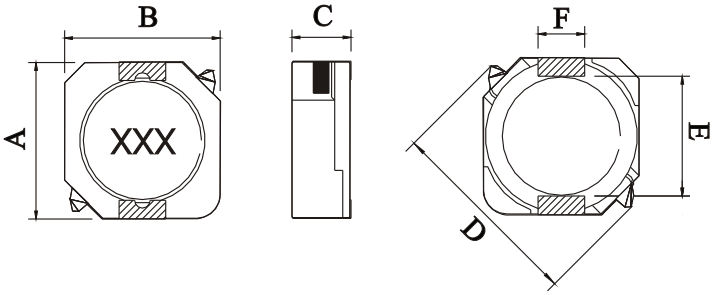
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

PHYSICAL CHARACTERISTICS:



CONSTRUCTION

LAND PATTERNS



DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SPM105	10.3Max	10.4Max	5.0Max	13.5Max	7.7	3.0	3.6	1.7	7.3

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPM105-100M	10	100	0.0258	3.45
SPM105-120M	12	100	0.0320	3.40
SPM105-150M	15	100	0.0400	2.83
SPM105-180M	18	100	0.0460	2.62
SPM105-220M	22	100	0.0585	2.44
SPM105-270M	27	100	0.0654	2.24
SPM105-330M	33	100	0.0814	1.88
SPM105-390M	39	100	0.1031	1.70
SPM105-470M	47	100	0.1221	1.56
SPM105-560M	56	100	0.1448	1.39
SPM105-680M	68	100	0.1930	1.36
SPM105-820M	82	100	0.2194	1.20
SPM105-101M	100	100	0.2470	1.09
SPM105-121M	120	100	0.2984	1.00
SPM105-151M	150	100	0.3551	0.91
SPM105-181M	180	100	0.3943	0.84
SPM105-221M	220	100	0.4838	0.75
SPM105-271M	270	100	0.6325	0.68
SPM105-331M	330	100	0.7800	0.60
SPM105-391M	390	100	0.9575	0.57
SPM105-471M	470	100	1.2204	0.50
SPM105-561M	560	100	1.3524	0.47
SPM105-681M	680	100	1.5192	0.43
SPM105-821M	820	100	1.6944	0.39
SPM105-102M	1000	100	1.9464	0.35

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max
  Reference ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:
  △L/L≤±10% △Q/Q≤±25%

POWER SURFACE–MOUNT WIRE–WOUND CHIP INDUCTORS

L-KLS18-SPA-0703T-0704T SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.6A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

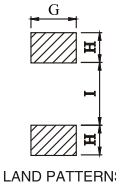
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPA-0703T-1R0M	1.0	100	0.02	3.60	SPA-0704T-100M	10	100	0.120	1.50
SPA-0703T-1R5M	1.5	100	0.03	3.40	SPA-0704T-120M	12	100	0.130	1.44
SPA-0703T-2R2M	2.2	100	0.03	2.68	SPA-0704T-150M	15	100	0.150	1.36
SPA-0703T-3R3M	3.3	100	0.04	2.40	SPA-0704T-180M	18	100	0.160	1.30
SPA-0703T-4R7M	4.7	100	0.048	2.26	SPA-0704T-220M	22	100	0.190	1.23
SPA-0703T-6R8M	6.8	100	0.062	1.66	SPA-0704T-270M	27	100	0.210	1.11
SPA-0703T-100M	10	100	0.078	1.50	SPA-0704T-330M	33	100	0.240	1.00
SPA-0703T-120M	12	100	0.088	1.40	SPA-0704T-390M	39	100	0.270	0.93
SPA-0703T-150M	15	100	0.120	1.20	SPA-0704T-470M	47	100	0.390	0.85
SPA-0703T-180M	18	100	0.145	1.15	SPA-0704T-560M	56	100	0.450	0.75
SPA-0703T-220M	22	100	0.165	1.02	SPA-0704T-680M	68	100	0.500	0.70
SPA-0703T-270M	27	100	0.185	0.88	SPA-0704T-820M	82	100	0.560	0.65
SPA-0703T-330M	33	100	0.260	0.85	SPA-0704T-101K	100	100	1.000	0.52
SPA-0703T-390M	39	100	0.286	0.82	SPA-0704T-121K	120	100	1.050	0.50
SPA-0703T-470M	47	100	0.340	0.72	SPA-0704T-151K	150	100	1.200	0.45
SPA-0703T-560M	56	100	0.420	0.65	SPA-0704T-181K	180	100	1.350	0.40
SPA-0703T-680M	68	100	0.510	0.56	SPA-0704T-221K	220	100	1.520	0.38
SPA-0703T-820M	82	100	0.650	0.52	SPA-0704T-271K	270	100	1.720	0.35
SPA-0703T-101K	100	100	0.725	0.46	SPA-0704T-331K	330	100	2.700	0.30
SPA-0703T-151K	150	100	0.920	0.40	SPA-0704T-391K	390	100	2.960	0.28
SPA-0703T-221K	220	100	1.620	0.32	SPA-0704T-471K	470	100	3.360	0.26
SPA-0703T-331K	330	100	2.200	0.26	SPA-0704T-561K	560	100	3.790	0.24
SPA-0703T-471K	470	100	2.800	0.22	SPA-0704T-681K	680	100	4.330	0.21
SPA-0703T-681K	680	100	4.350	0.18	SPA-0704T-821K	820	100	5.260	0.19
SPA-0703T-102K	1000	100	6.200	0.15	SPA-0704T-102K	1000	100	6.220	0.17

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

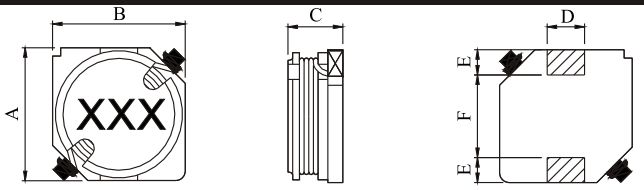
- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.



LAND PATTERNS

CONSTRUCTION

CHARACTERISTICS:



DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	H	I	J
SPA-0703T	7.6Max	7.6Max	3.0Max	2.0	1.3	4.4	3.0	2.0	4.4
SPA-0704T	7.6Max	7.6Max	5.0Max	1.7	1.2	4.6	2.7	2.0	4.4

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POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

L-KLS18-SPA-0730T-0745T SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-0730T-1R0M	1.0	18	7.96	0.022	3.00
SPA-0730T-1R5M	1.5	17	7.96	0.027	2.75
SPA-0730T-2R2M	2.2	17	7.96	0.030	2.60
SPA-0730T-3R5M	3.5	17	7.96	0.038	2.20
SPA-0730T-4R7M	4.7	14	7.96	0.048	1.85
SPA-0730T-6R2M	6.2	17	7.96	0.058	1.65
SPA-0730T-100M	10.0	16	2.52	0.075	1.50
SPA-0730T-150M	15.0	14	2.52	0.115	1.20
SPA-0730T-220M	22.0	14	2.52	0.160	1.02
SPA-0730T-330M	33.0	13	2.52	0.230	0.85
SPA-0730T-470M	47.0	12	2.52	0.340	0.70
SPA-0730T-680M	68.0	12	2.52	0.480	0.58
SPA-0730T-101K	100.0	18	0.796	0.720	0.46
SPA-0730T-151K	150.0	18	0.796	0.920	0.40
SPA-0730T-221K	220.0	23	0.796	1.600	0.32
SPA-0730T-331K	330.0	24	0.796	2.200	0.26
SPA-0730T-471K	470.0	30	0.796	2.800	0.22
SPA-0730T-681K	680.0	28	0.796	4.350	0.18
SPA-0730T-102K	1000.0	66	0.796	6.200	0.15

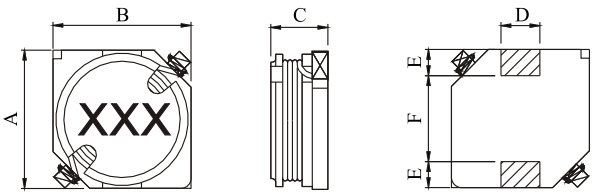
Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-0745T-1R0M	1.0	25	7.96	0.022	3.80
SPA-0745T-1R5M	1.5	26	7.96	0.027	3.50
SPA-0745T-2R2M	2.2	24	7.96	0.032	3.30
SPA-0745T-3R3M	3.3	23	7.96	0.036	2.80
SPA-0745T-4R7M	4.7	23	7.96	0.042	2.60
SPA-0745T-6R8M	6.8	22	7.96	0.054	2.25
SPA-0745T-100M	10.0	28	2.52	0.070	2.00
SPA-0745T-150M	15.0	24	2.52	0.086	1.60
SPA-0745T-220M	22.0	26	2.52	0.125	1.40
SPA-0745T-330M	33.0	20	2.52	0.150	1.22
SPA-0745T-470M	47.0	21	2.52	0.230	1.00
SPA-0745T-680M	68.0	17	2.52	0.280	0.90
SPA-0745T-101K	100.0	17	0.796	0.430	0.75
SPA-0745T-151K	150.0	17	0.796	0.580	0.62
SPA-0745T-221K	220.0	22	0.796	0.930	0.50
SPA-0745T-331K	330.0	20	0.796	1.240	0.42
SPA-0745T-471K	470.0	20	0.796	1.850	0.34
SPA-0745T-681K	680.0	18	0.796	2.400	0.30
SPA-0745T-102K	1000.0	48	0.252	4.000	0.22

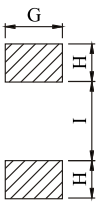
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	G	H	I
SPA-0730T	7.2 ± 0.3	7.2 ± 0.3	3.0 ± 0.3	2.0	1.5	4.0	2.4	1.8	4.2
SPA-0745T	7.0 ± 0.2	7.0 ± 0.2	4.5 ± 0.3	2.0	1.5	4.0	2.4	1.8	4.2

POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

L-KLS18-SPA-1030T-1045T SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 4.8A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-1030T-2R7M	2.7	13	7.96	0.028	3.00
SPA-1030T-4R7M	4.7	13	7.96	0.040	2.60
SPA-1030T-6R8M	6.8	15	7.96	0.052	2.20
SPA-1030T-100M	10.0	15	2.52	0.064	2.00
SPA-1030T-150M	15.0	18	2.52	0.100	1.65
SPA-1030T-220M	22.0	20	2.52	0.145	1.38
SPA-1030T-330M	33.0	16	2.52	0.220	1.10
SPA-1030T-470M	47.0	10	2.52	0.270	0.96
SPA-1030T-680M	68.0	12	2.52	0.360	0.82
SPA-1030T-101K	100.0	14	0.796	0.540	0.70
SPA-1030T-151K	150.0	23	0.796	0.700	0.60
SPA-1030T-221K	220.0	23	0.796	1.150	0.46
SPA-1030T-331K	330.0	25	0.796	1.700	0.38
SPA-1030T-471K	470.0	20	0.796	2.250	0.28
SPA-1030T-681K	680.0	18	0.796	3.300	0.23
SPA-1030T-102K	1000.0	42	0.796	4.700	0.20

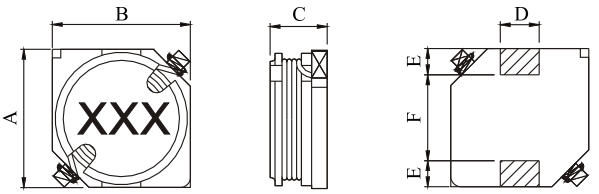
Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-1045T-2R7M	2.7	25	7.96	0.026	4.80
SPA-1045T-4R5M	4.5	25	7.96	0.033	4.20
SPA-1045T-6R8M	6.8	22	7.96	0.040	3.50
SPA-1045T-100M	10.0	26	2.52	0.064	3.20
SPA-1045T-150M	15.0	26	2.52	0.100	2.50
SPA-1045T-220M	22.0	22	2.52	0.145	2.20
SPA-1045T-330M	33.0	20	2.52	0.220	1.90
SPA-1045T-470M	47.0	21	2.52	0.270	1.60
SPA-1045T-680M	68.0	21	2.52	0.360	1.30
SPA-1045T-101K	100.0	14	0.796	0.540	1.10
SPA-1045T-151K	150.0	16	0.796	0.700	0.85
SPA-1045T-221K	220.0	15	0.796	1.150	0.72
SPA-1045T-331K	330.0	12	0.796	1.700	0.62
SPA-1045T-471K	470.0	12	0.796	2.250	0.52
SPA-1045T-681K	680.0	13	0.796	3.300	0.43
SPA-1045T-102K	1000.0	25	0.252	4.700	0.38

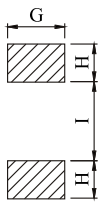
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	G	H	I
SPA-1030T	10.0 ± 0.3	10.0 ± 0.3	3.0 ± 0.3	2.4	2.0	6.0	2.8	2.4	5.6
SPA-1045T	10.0 ± 0.2	10.0 ± 0.3	4.5 ± 0.3	2.4	2.0	6.0	2.8	2.4	5.6

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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POWER SURFACE-MOUNT WIRE-WOUND CHIP INDUCTORS

L-KLS18-SPA-1305T-1308T SERIES

FEATURES:

- Ferrite Core Structure
- Low DC Resistance
- Large current up to 7.2A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-1305T-2R5M	2.5	19	7.96	0.0098	7.20
SPA-1305T-3R5M	3.5	20	7.96	0.0105	6.00
SPA-1305T-4R6M	4.7	18	7.96	0.0165	5.20
SPA-1305T-6R8M	6.8	17	7.96	0.0240	4.30
SPA-1305T-100M	10.0	35	2.52	0.0370	3.60
SPA-1305T-150M	15.0	28	2.52	0.0460	3.30
SPA-1305T-220M	22.0	27	2.52	0.0620	2.90
SPA-1305T-330M	33.0	23	2.52	0.0850	2.50
SPA-1305T-470M	47.0	24	2.52	0.1300	1.90
SPA-1305T-680M	68.0	22	2.52	0.1650	1.65
SPA-1305T-101K	100.0	20	0.796	0.2550	1.40
SPA-1305T-151K	150.0	17	0.796	0.3800	1.20
SPA-1305T-221K	220.0	16	0.796	0.5000	1.00
SPA-1305T-331K	330.0	11	0.796	0.7000	0.85
SPA-1305T-471K	470.0	14	0.796	1.1500	0.67
SPA-1305T-681K	680.0	12	0.796	1.4000	0.60
SPA-1305T-102K	1000.0	41	0.252	2.3500	0.46

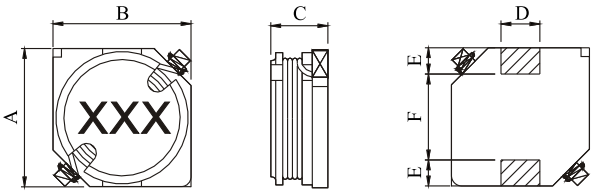
Part Number	L μH (100KHz)	Q Typ	Test Freq Mhz	DCR Ω Max	IDC Max A
SPA-1308T-100M	10	20	2.52	0.036	4.050
SPA-1308T-150M	15	20	2.52	0.040	3.340
SPA-1308T-220M	22	20	2.52	0.060	2.800
SPA-1308T-330M	33	20	2.52	0.080	2.400
SPA-1308T-470M	47	20	2.52	0.110	2.000
SPA-1308T-560M	56	20	2.52	0.120	1.900
SPA-1308T-680M	68	20	2.52	0.150	1.800
SPA-1308T-820M	82	20	2.52	0.190	1.600
SPA-1308T-101K	100	15	0.796	0.230	1.500
SPA-1308T-121K	120	15	0.796	0.320	1.400
SPA-1308T-151K	150	15	0.796	0.370	1.300
SPA-1308T-221K	220	15	0.796	0.440	1.000
SPA-1308T-331K	330	15	0.796	0.600	0.900
SPA-1308T-471K	470	15	0.796	0.880	0.700
SPA-1308T-681K	680	10	0.796	1.180	0.500
SPA-1308T-102K	1000	10	0.252	1.740	0.480
SPA-1308T-122K	1200	10	0.252	1.920	0.380

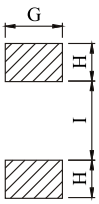
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION:

- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

CHARACTERISTICS:





CONSTRUCTION

DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	G	H	I
SPA-1305T	12.7±0.3	12.7±0.3	4.8±0.5	3.0	2.0	8.6	3.60	2.6	8.4
SPA-1308T	12.7±0.3	12.7±0.3	8.5±0.5	3.0	2.0	8.6	3.60	2.6	8.4

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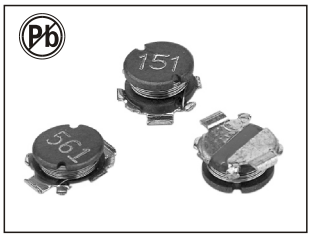
SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPG-0602T-0603T SERIES



FEATURES:

- Ferrite Core Structure
- Low DC Resistance
- Large current up to 3.4A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

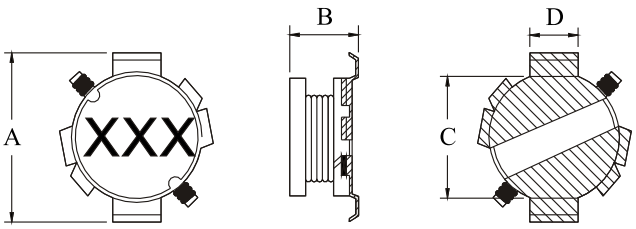
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPG-0602T-1R2M	1.2	100	0.02	3.40
SPG-0602T-1R5M	1.5	100	0.03	3.10
SPG-0602T-2R4M	2.4	100	0.04	2.40
SPG-0602T-3R3M	3.3	100	0.05	2.20
SPG-0602T-4R7M	4.7	100	0.07	1.80
SPG-0602T-6R8M	6.8	100	0.10	1.60
SPG-0602T-100M	10	100	0.14	1.30
SPG-0602T-120M	12	100	0.18	1.20
SPG-0602T-150M	15	100	0.20	1.00
SPG-0602T-180M	18	100	0.24	0.95
SPG-0602T-220M	22	100	0.27	0.90
SPG-0602T-270M	27	100	0.37	0.75
SPG-0602T-330M	33	100	0.43	0.70
SPG-0602T-390M	39	100	0.47	0.62
SPG-0602T-470M	47	100	0.66	0.56
SPG-0602T-560M	56	100	0.74	0.51
SPG-0602T-680M	68	100	1.01	0.45
SPG-0602T-820M	82	100	1.13	0.43
SPG-0602T-101K	100	100	1.31	0.41

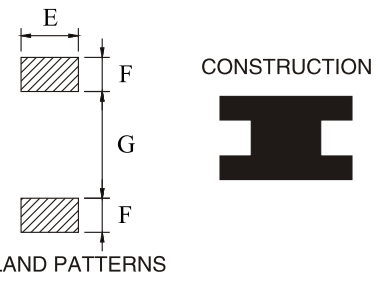
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPG-0603T-151K	150	100	1.9	0.38
SPG-0603T-181K	180	100	2.3	0.35
SPG-0603T-221K	220	100	3.0	0.30
SPG-0603T-271K	270	100	3.5	0.26
SPG-0603T-331K	330	100	4.2	0.23
SPG-0603T-391K	390	100	4.8	0.21
SPG-0603T-471K	470	100	5.7	0.19
SPG-0603T-561K	560	100	6.4	0.18
SPG-0603T-681K	680	100	7.6	0.17
SPG-0603T-821K	820	100	10	0.14
SPG-0603T-102K	1000	100	12	0.13
SPG-0603T-122K	1200	100	16	0.11
SPG-0603T-152K	1500	100	19	0.10
SPG-0603T-182K	1800	100	28	0.08
SPG-0603T-222K	2200	100	30	0.075
SPG-0603T-272K	2700	100	36	0.070
SPG-0603T-332K	3300	100	48	0.065
SPG-0603T-392K	3900	100	54	0.055
SPG-0603T-472K	4700	100	63	0.050
SPG-0603T-562K	5600	100	72	0.048

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:



CHARACTERISTICS:



- Inductor Testing: HP4284A (Equivalent acceptable)
  DCR:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDCMax current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

DIMENSIONS IN: mm

Part Number	A	B	C	D	E	F	G
SPG-0602T	7.3Max	2.9Max	5.0	2.0	3.0	2.0	4.4
SPG-0603T	7.3Max	3.3Max	5.0	2.0	3.0	2.0	4.4

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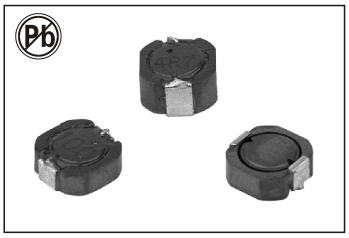


SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAB-62LCB-62CB SERIES

FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.5A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

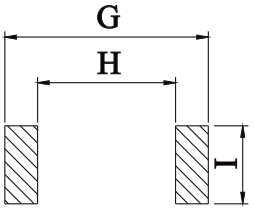
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPAB-62LCB-1R2M	1.2	100	0.0298	3.50
SPAB-62LCB-1R5M	1.5	100	0.0423	2.94
SPAB-62LCB-2R0M	2.0	100	0.0456	2.47
SPAB-62LCB-3R3M	3.3	100	0.0680	1.99
SPAB-62LCB-4R7M	4.7	100	0.0860	1.59
SPAB-62LCB-6R2M	6.2	100	0.1120	1.49
SPAB-62LCB-8R2M	8.2	100	0.1380	1.25
SPAB-62LCB-100M	10	100	0.1720	1.22
SPAB-62LCB-120M	12	100	0.1900	0.99
SPAB-62LCB-150M	15	100	0.2480	0.94
SPAB-62LCB-180M	18	100	0.2640	0.83
SPAB-62LCB-220M	22	100	0.3300	0.80
SPAB-62LCB-270M	27	100	0.3640	0.65
SPAB-62LCB-330M	33	100	0.5600	0.63
SPAB-62LCB-390M	39	100	0.5800	0.55
SPAB-62LCB-470M	47	100	0.6900	0.50
SPAB-62CB-R82M	0.82	100	0.013	3.48
SPAB-62CB-1R2M	1.2	100	0.018	2.83
SPAB-62CB-1R8M	1.8	100	0.023	2.44
SPAB-62CB-2R7M	2.7	100	0.033	1.89
SPAB-62CB-3R3M	3.3	100	0.043	1.65
SPAB-62CB-5R6M	5.6	100	0.057	1.37
SPAB-62CB-100M	10	100	0.097	1.07
SPAB-62CB-120M	12	100	0.116	0.97
SPAB-62CB-150M	15	100	0.144	0.87
SPAB-62CB-180M	18	100	0.163	0.79
SPAB-62CB-220M	22	100	0.179	0.71
SPAB-62CB-270M	27	100	0.246	0.64
SPAB-62CB-330M	33	100	0.304	0.58
SPAB-62CB-390M	39	100	0.341	0.53
SPAB-62CB-470M	47	100	0.367	0.48
SPAB-62CB-560M	56	100	0.438	0.44
SPAB-62CB-680M	68	100	0.491	0.40
SPAB-62CB-820M	82	100	0.596	0.36
SPAB-62CB-101K	100	100	0.917	0.33

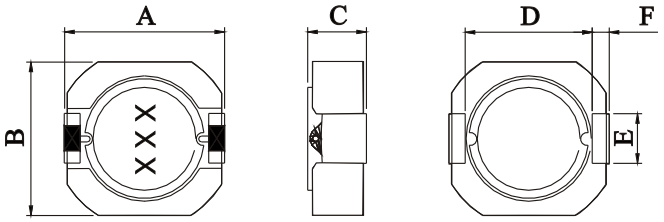
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION



TECHNICAL INFORMATION:

- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

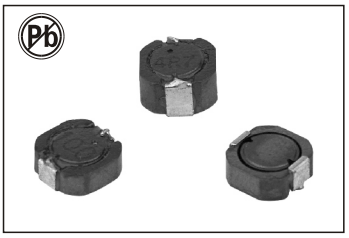
DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SPAB-62LCB	6.3Max	6.2Max	2.5Max	4.8	2.0	0.6	6.6	4.6	2.6
SPAB-62CB	6.3Max	6.2Max	2.0Max	4.8	2.0	0.6	6.6	4.6	2.6

Note: All specifications subject to change without notice.

SHIELDED SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAB-63LCB-63CB SERIES



FEATURES:

- Magnetically Shielded Structure
- Low DC Resistance
- Large current up to 3.59A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

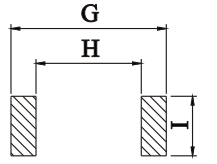
- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A	Part Number	L (μH)	Test Freq (kHz)	DCR Ω Max	IDC Max A
SPAB-63LCB-1R0M	1.0	100	0.013	3.59	SPAB-63CB-2R0M	2.0	100	0.022	3.00
SPAB-63LCB-1R5M	1.5	100	0.018	2.93	SPAB-63CB-2R7M	2.7	100	0.024	2.69
SPAB-63LCB-2R2M	2.2	100	0.021	2.42	SPAB-63CB-3R3M	3.3	100	0.027	2.57
SPAB-63LCB-3R3M	3.3	100	0.027	1.89	SPAB-63CB-4R7M	4.7	100	0.036	2.08
SPAB-63LCB-4R7M	4.7	100	0.039	1.66	SPAB-63CB-6R8M	6.8	100	0.046	1.84
SPAB-63LCB-6R2M	6.2	100	0.053	1.45	SPAB-63CB-8R2M	8.2	100	0.052	1.54
SPAB-63LCB-100M	10	100	0.079	1.14	SPAB-63CB-100M	10	100	0.059	1.49
SPAB-63LCB-120M	12	100	0.094	1.04	SPAB-63CB-120M	12	100	0.070	1.28
SPAB-63LCB-150M	15	100	0.115	0.93	SPAB-63CB-150M	15	100	0.091	1.10
SPAB-63LCB-180M	18	100	0.130	0.85	SPAB-63CB-180M	18	100	0.104	1.05
SPAB-63LCB-220M	22	100	0.145	0.77	SPAB-63CB-220M	22	100	0.148	0.97
SPAB-63LCB-270M	27	100	0.157	0.70	SPAB-63CB-270M	27	100	0.158	0.82
SPAB-63LCB-330M	33	100	0.211	0.63	SPAB-63CB-330M	33	100	0.173	0.76
SPAB-63LCB-390M	39	100	0.233	0.58	SPAB-63CB-390M	39	100	0.205	0.70
SPAB-63LCB-470M	47	100	0.276	0.53	SPAB-63CB-470M	47	100	0.226	0.68
SPAB-63LCB-560M	56	100	0.308	0.48	SPAB-63CB-560M	56	100	0.275	0.60
SPAB-63LCB-680M	68	100	0.330	0.44	SPAB-63CB-680M	68	100	0.321	0.56
SPAB-63LCB-820M	82	100	0.445	0.40	SPAB-63CB-820M	82	100	0.369	0.47
SPAB-63LCB-101K	100	100	0.540	0.36	SPAB-63CB-101K	100	100	0.495	0.45
SPAB-63LCB-151K	150	100	0.700	0.31	SPAB-63CB-151K	150	100	0.640	0.37

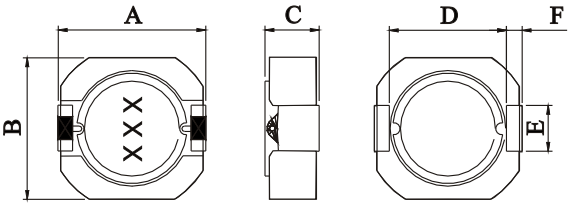
Note:1. K=±10%,M=±20%,N=±30%

PHYSICAL CHARACTERISTICS:



LAND PATTERNS

CONSTRUCTION



DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I
SPAB-63LCB	6.3Max	6.2Max	3.0Max	4.8	2.0	0.6	6.6	4.6	2.6
SPAB-63CB	6.3Max	6.2Max	3.5Max	4.8	2.0	0.6	6.6	4.6	2.6

TECHNICAL INFORMATION:

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

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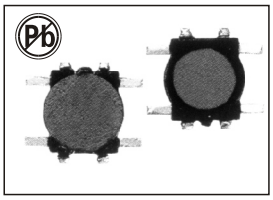


SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAC-4D06-4D08 SERIES

FEATURES:

- Low DC Resistance
- Large current up to 0.95A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

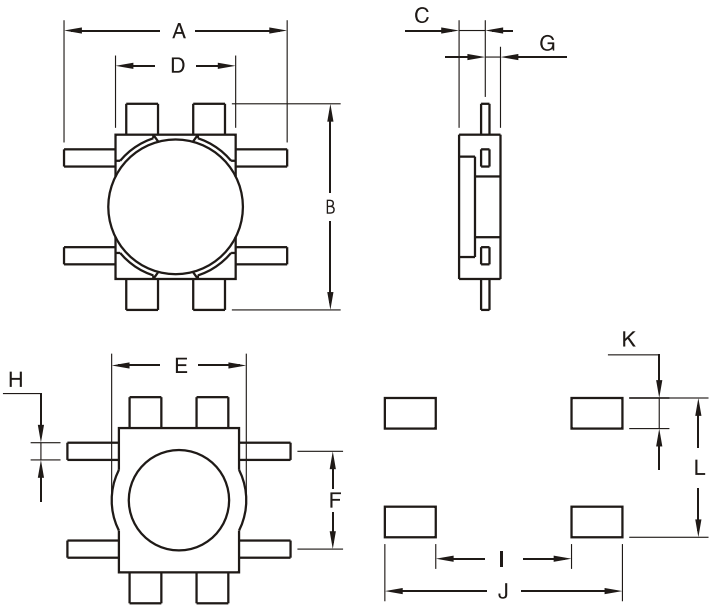
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPAC-4D06-2R2M	2.2	100	0.116	0.95	SPAC-4D08-3R3M	3.3	100	0.060	0.85
SPAC-4D06-3R3M	3.3	100	0.174	0.77	SPAC-4D08-4R7M	4.7	100	0.194	0.80
SPAC-4D06-4R7M	4.7	100	0.216	0.75	SPAC-4D08-6R8M	6.8	100	0.276	0.65
SPAC-4D06-6R8M	6.8	100	0.296	0.62	SPAC-4D08-100M	10	100	0.335	0.57
SPAC-4D06-100M	10	100	0.457	0.50	SPAC-4D08-150M	15	100	0.508	0.45
SPAC-4D06-150M	15	100	0.676	0.40	SPAC-4D08-220M	22	100	0.766	0.37
SPAC-4D06-220M	22	100	1.066	0.30	SPAC-4D08-330M	33	100	1.162	0.28
SPAC-4D06-330M	33	100	1.647	0.24	SPAC-4D08-470M	47	100	1.658	0.22
SPAC-4D06-470M	47	100	2.843	0.18	SPAC-4D08-680M	68	100	2.534	0.18

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max
  Reference ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:
  △L/L≤±10% △Q/Q≤±25%



LAND PATTERNS

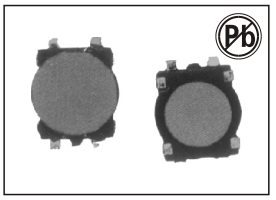
DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H	I	J	K	L
SPAC-4D06	6.5Max	6.0Max	0.8Max	3.5	4.1	3.2	0.4	0.5	4	7	0.9	4.1
SPAC-4D08	6.2Max	5.8Max	1.0Max	3.5	4.1	3.2	0.4	0.5	4	7	0.9	4.1

Note:All specifications subject to change without notice.

SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAC-4D11-4D13 SERIES



FEATURES:

- Ferrite Core Structure
- Low DC Resistance
- Large current up to 0.95A
- Excellent Mechanical Strength
- High Reliability and Excellent Solderability
- Low and square Profile
- High heat resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, Notebook, DC/DC Converters
- Video Digital Cameras
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Hard Disk Drives, Topset, XDSL
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

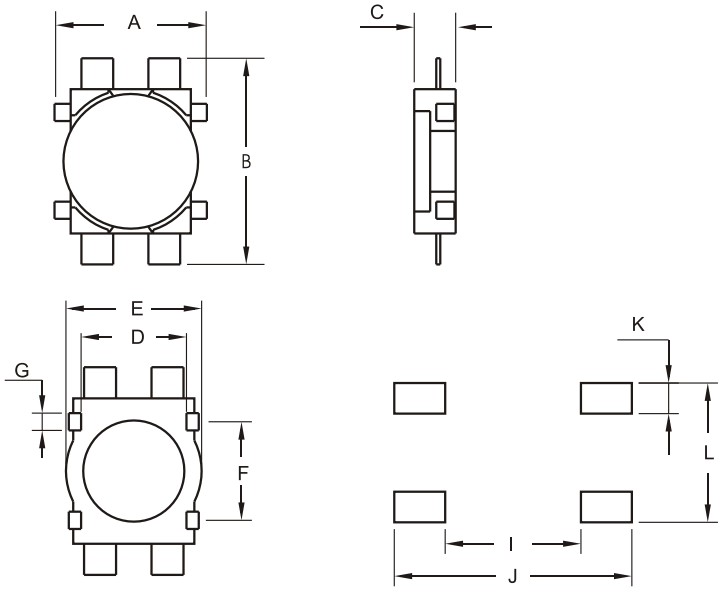
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
SPAC-4D11-2R2M	2.2	100	0.116	0.95	SPAC-4D13-2R2M	2.2	100	0.160	0.85
SPAC-4D11-3R3M	3.3	100	0.174	0.77	SPAC-4D13-3R3M	3.3	100	0.194	0.80
SPAC-4D11-4R7M	4.7	100	0.216	0.75	SPAC-4D13-4R7M	4.7	100	0.276	0.65
SPAC-4D11-6R8M	6.8	100	0.296	0.62	SPAC-4D13-6R8M	6.8	100	0.335	0.57
SPAC-4D11-100M	10	100	0.457	0.50	SPAC-4D13-120M	12	100	0.508	0.45
SPAC-4D11-150M	15	100	0.676	0.40	SPAC-4D13-180M	18	100	0.766	0.37
SPAC-4D11-220M	22	100	1.066	0.30	SPAC-4D13-330M	33	100	1.162	0.28
SPAC-4D11-330M	33	100	1.647	0.24	SPAC-4D13-470M	47	100	1.658	0.22
SPAC-4D11-470M	47	100	2.843	0.18	SPAC-4D13-680M	68	100	2.534	0.18
					SPAC-4D13-101K	100	100	3.304	0.17

Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

- Inductance Testing: HP4284A, HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max
  Reference ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:
  △L/L≤±10% △Q/Q≤±25%

Note:All specifications subject to change without notice.



LAND PATTERNS

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	I	J	K	L
SPCA-4D11	4.5Max	6.0Max	1.3Max	2.9	3.7	3.2	0.5	3.0	5.8	0.8	4.1
SPCA-4D13	4.4Max	5.8Max	1.45Max	2.9	3.7	3.7	0.5	2.5	5.3	0.8	4.0

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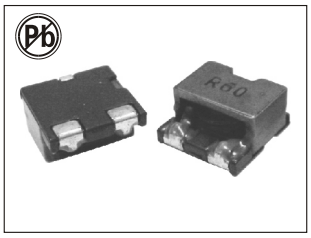


HIGH–CURRENT SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAD-104,105,124,125 SERIES

FEATURES:

- High Frequency Design
- Shielded Constrution
- Flat wire used
- Excellent Thermal Stability
- Low Profile, Low DCR.
- Super Larg Current up to 28A
- Custom Inductors are available

OPTIONS:

- Tape & Reel is Standard (Qty:600pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLICATIONS:

- Notebook, DC/DC Converters
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Network Systems
- Computer Peripheral Equipment
- CPU Power Supply

ELECTRICAL CHARACTERISTICS:

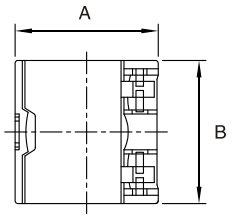
Part Number	Inductance (uH)	DCR (mΩ)Max	Isat (A)	Irms (A)
SPAD-104HT-0R36N	0.36 ± 30%	1.7	26.0	23.0
SPAD-104HT-0R80M	0.80 ± 20%	3.9	17.0	15.0
SPAD-104HT-1R4M	1.40 ± 20%	4.4	14.0	13.0
SPAD-104HT-2R2M	2.20 ± 20%	8.7	10.0	9.5
SPAD-104HT-3R2M	3.20 ± 20%	10.4	8.0	8.0
SPAD-105HT-0R36N	0.36 ± 30%	1.7	26.0	28.0
SPAD-105HT-0R80M	0.80 ± 20%	2.5	18.0	20.0
SPAD-105HT-1R4M	1.40 ± 20%	3.2	14.0	16.0
SPAD-105HT-2R2M	2.20 ± 20%	5.8	10.0	12.0
SPAD-105HT-3R2M	3.20 ± 20%	7.2	9.0	11.0
SPAD-105HT-4R3M	4.30 ± 20%	8.5	8.0	10.0
SPAD-105HT-5R7M	5.70 ± 20%	13.2	7.0	7.6
SPAD-105HT-7R2M	7.20 ± 20%	15.5	6.2	7.0

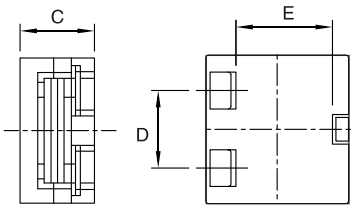
Part Number	Inductance (uH)	DCR (mΩ)Max	Isat (A)	Irms (A)
SPAD-105HT-8R8M	8.80 ± 20%	17.2	5.6	6.0
SPAD-124HT-0R75M	0.75 ± 20%	3.0	14.0	13.0
SPAD-124HT-1R3M	1.30 ± 20%	4.5	13.0	12.0
SPAD-124HT-2R0M	2.00 ± 20%	6.0	11.0	10.0
SPAD-125HT-0R90N	0.90 ± 30%	2.5	20.0	18.0
SPAD-125HT-1R4N	1.40 ± 30%	3.4	16.0	15.0
SPAD-125HT-2R0N	2.00 ± 30%	4.6	13.0	12.0
SPAD-125HT-3R2N	3.50 ± 30%	9.0	9.0	8.6
SPAD-125HT-4R6N	4.80 ± 30%	10.5	7.2	8.2
SPAD-125HT-6R4N	6.80 ± 30%	11.0	6.0	7.8
SPAD-125HT-8R2N	8.60 ± 30%	12.0	5.4	7.2
SPAD-125HT-10R0N	10.5 ± 30%	13.5	4.7	6.5

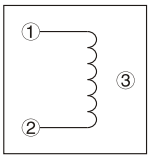
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Inductance Testing: HP4284A, 100kHz/1V or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Isat Current L value drop 65% typ.at I_{DC} against its initial value
- Irms Temperature rise 40℃Max Reference Ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–40℃ to +105℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10% △Q/Q≤ ± 25%

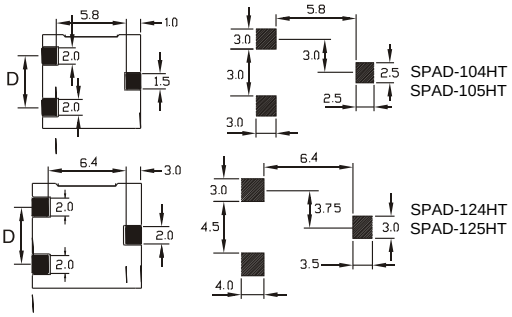






Dimensions(mm)

Part Number	A	B	C	D	E
SPAD-104HT	11.0 ± 0.30	9.35 ± 0.30	4.50 ± 0.30	6.00 ref.	5.80 ref.
SPAD-105HT	11.0 ± 0.30	9.35 ± 0.30	5.50 ± 0.30	6.00 ref.	5.80 ref.
SPAD-124HT	12.5 ± 0.30	12.5 ± 0.30	4.0 ± 0.30	7.50 ref.	6.40 ref.
SPAD-125HT	12.5 ± 0.30	12.5 ± 0.30	5.0 ± 0.30	7.50 ref.	6.40 ref.

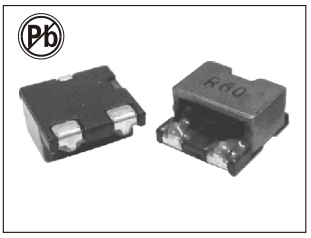


LAND PATTERN

Note:All specifications subject to change without notice.

HIGH–CURRENT SURFACE–MOUNT POWER INDUCTORS

L-KLS18-SPAD-126,135,159HT SERIES



FEATURES:

- High Frequency Design
- Shielded Constrution
- Flat wire used
- Excellent Thermal Stability
- Low Profile, Low DCR.
- Super Larg Current up to 28A
- Custom Inductors are available

OPTIONS:

- Tape & Reel is Standard (Qty:600pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLICATIONS:

- Notebook, DC/DC Converters
- Communication System
- Automotive Systems Power supplier
- LCD PDP Televisions
- Network Systems
- Computer Peripheral Equipment
- CPU Power Supply

ELECTRICAL CHARACTERISTICS:

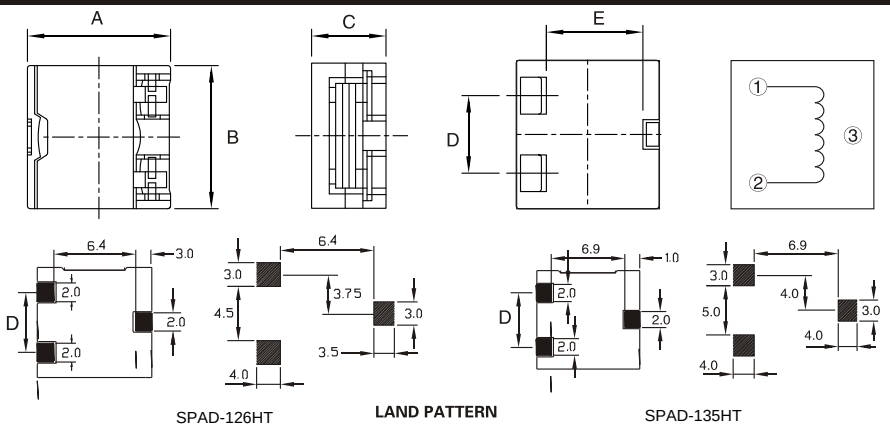
Part Number	Inductance (uH)	DCR (mΩ)Max	Isat (A)	Irms (A)
SPAD-126HT-0R7N	0.7 ± 30%	2.3	30.0	30.0
SPAD-126HT-0R9N	0.9 ± 30%	2.3	26.0	28.0
SPAD-126HT-1R1N	1.1 ± 30%	3.2	25.0	26.0
SPAD-126HT-1R5N	1.5 ± 30%	3.6	19.0	22.0
SPAD-126HT-2R2N	2.2 ± 30%	6.0	15.0	17.0
SPAD-126HT-2R7N	2.7 ± 30%	6.0	12.0	13.0
SPAD-126HT-3R0N	3.0 ± 30%	6.0	13.0	15.0
SPAD-126HT-3R6N	3.6 ± 30%	7.0	8.50	10.0
SPAD-126HT-4R8N	4.8 ± 30%	7.0	7.50	9.00
SPAD-135HT-0R56N	0.56 ± 30%	1.26	38.0	35.0
SPAD-135HT-0R68N	0.68 ± 30%	1.80	29.0	30.0
SPAD-135HT-1R2N	1.20 ± 30%	2.65	22.0	25.0
SPAD-135HT-1R8M	1.80 ± 30%	3.45	18.0	20.0

Part Number	Inductance (uH)	DCR (mΩ)Max	Isat (A)	Irms (A)
SPAD-135HT-2R8M	2.80 ± 30%	7.95	15.0	13.0
SPAD-159HT-1R2M	1.20 ± 20%	2.0	19.0	16.0
SPAD-159HT-1R4M	1.40 ± 20%	2.0	18.0	15.0
SPAD-159HT-2R8M	1.80 ± 20%	3.0	18.0	14.0
SPAD-159HT-2R0M	2.00 ± 20%	3.0	16.0	13.0
SPAD-159HT-2R5M	2.50 ± 20%	3.4	14.5	12.0
SPAD-159HT-2R8M	2.80 ± 20%	3.4	14.0	12.0
SPAD-159HT-3R0M	3.00 ± 20%	4.3	13.0	10.0
SPAD-159HT-3R6M	3.60 ± 20%	4.3	12.0	10.0
SPAD-159HT-3R9M	3.90 ± 20%	6.5	11.5	9.0
SPAD-159HT-4R5M	4.50 ± 20%	6.5	10.5	8.0
SPAD-159HT-4R8M	4.80 ± 20%	7.2	10.0	7.0
SPAD-159HT-5R6M	5.60 ± 20%	7.2	9.0	6.0

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

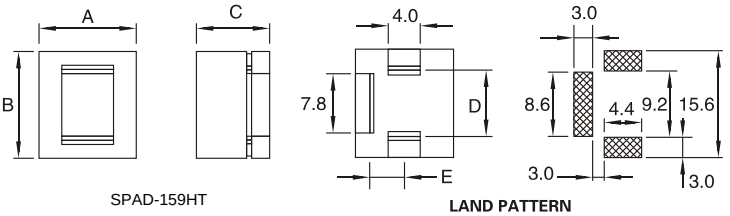
- Inductance Testing: HP4284A, 100kHz/1V or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Isat Current L value drop 65% typ.at I_{DC} against its initial value
- Irms Temperature rise 40℃Max Reference Ambient temperature
- Solderability: 75% of the lead wire Shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–40℃ to +105℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10% △Q/Q≤ ± 25%



Dimensions(mm)

Part Number	A	B	C	D	E
SPAD-126HT	12.5 ± 0.30	12.5 ± 0.30	5.7 ± 0.30	7.50 ref.	6.40 ref.
SPAD-135HT	13.3 ± 0.30	13.1 ± 0.30	5.0 max	8.00 ref.	6.90 ref.
SPAD-159HT	15.0 ± 0.40	15.0 ± 0.40	9.5 ± 0.50	10.0 ref.	5.0 ref.

Note:All specifications subject to change without notice.



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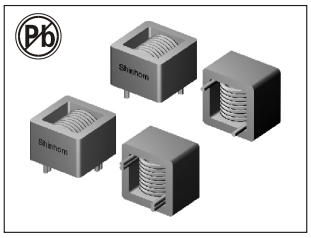
Email:sales@cnkls.com Tel: 0086-574-86828566



ON–BOARD TYPE HIGH CURRENT POWER INDUCTORS

L-KLS18-PHR-129N/1310 SERIES

FEATURES:

- Lowest Height (9.0mm/max)(HR 129N Series) (10.0mm/max)(HR 1310 Series) in this package footprint.
- Shielded Construction.(HR Series)
- Lowest DCR/μH,in this package size.
- Handles High Transient Current Spikes Without Saturation.
- The Products Contain no Lead and also Support Lead–free Soldering.

OPTIONS:

- Tape & Reel is Standard Bulk packaging Available for Smaller Quantities
- Tolerance:M=±20% Standard, Tighter Tolerances Available

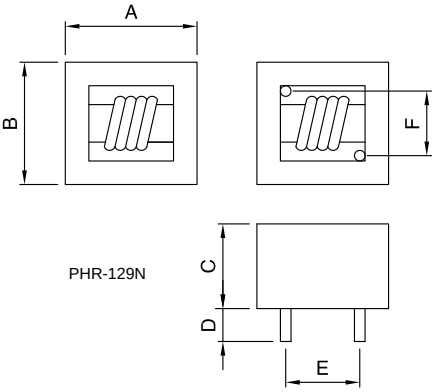
COMMON APPLICATIONS:

- Power Line Filter for DC–DC Converter.
- Switching Power Supplier.
- Personal Computers and Other handheld Electronic Equipment.

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance Lo(uH)	Test Frequency (Hz)Max	DCR (mΩ)Max	Irms (A) max.	Isat (A) max.
PHR-129N-R60M	0.60±20%	0.25V/100K	1.0	30	40
PHR-1310-R50M	0.50±20%	0.25V/100K	0.85	45	50

PHYSICAL CHARACTERISTICS



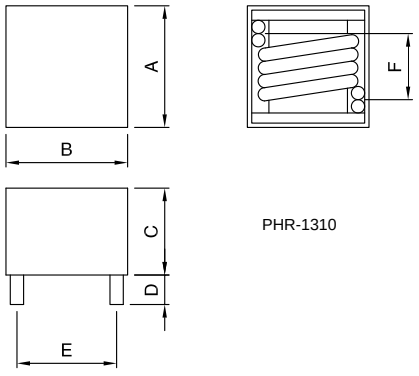
PHR-129N

TECHNICAL INFORMATION

1.Testing Instrument: L: HP4192A, CH1302, CH3320, CH3320S LCR METER / Ddc: Agilent33420A Micro OHMMETER.
2. Heat Rated Current(Irms) will cause the coil temperature rise Approximately ΔT=60℃ without core loss.
3. Isat(A) will cause L0 to drop approximately 20%.
4. The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions.
5. Operating Temperature & Storage Temperature: –40℃ – +105℃.

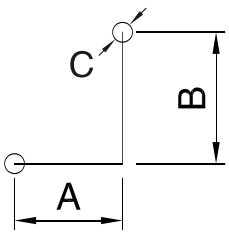
Dimensions(mm)

Part Number	A	B	C	D	E	F
PHR-129N-R60M	13.0max	14.0max	9.0max	3.5±0.5	6.0±0.5	7.3±0.5
PHR-1310-R50M	14.0max	14.0max	10.0max	3.4±0.5	11.5±0.5	5.5±0.5

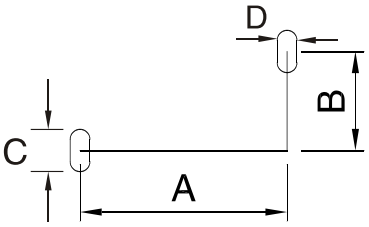


PHR-1310

SOLDERING AND MOUNTING



PHR-129N



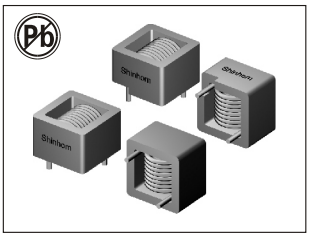
PHR-1310

	Land Patterns For Reflow Soldering			
Size	**A(mm)**	**B(mm)**	**C(mm)**	**D(mm)**
PHR-129N-R60M	6.0±0.5	7.3±0.5	2.0±0.5	—
PHR-1310-R50M	11.5±0.5	5.5±0.5	2.7±0.5	1.6±0.5

Note:All specifications subject to change without notice.

ON–BOARD TYPE HIGH CURRENT POWER INDUCTORS

L-KLS18-PHR-118S,PHR-1320 SERIES



FEATURES:

- Lowest Height (9.0mm/max)(HR 118S Series) (10.0mm/max)(HR 1320 Series) in this package footprint.
- Shielded Construction.(HR Series)
- Lowest DCR/μH,in this package size.
- Handles High Transient Current Spikes Without Saturation.
- The Products Contain no Lead and also Support Lead–free Soldering.

OPTIONS:

- Tape & Reel is Standard Bulk packaging Available for Smaller Quantities
- Tolerance:M=±20% Standard, Tighter Tolerances Available

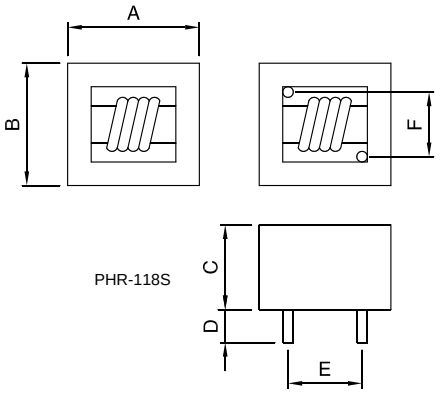
COMMON APPLICATIONS:

- Power Line Filter for DC–DC Converter.
- Switching Power Supplier.
- Personal Computers and Other handheld Electronic Equipment.

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance Lo(uH)	Test Frequency (Hz)Max	DCR (mΩ)Max	Irms (A) max.	Isat (A) max.
PHR-118S-2R0M	2.00±20%	0.25V/100K	3.5	15	20
PHR-1320-R40M	0.40±20%	0.25V/100K	1.0	38	48
PHR-1320-R50M	0.50±20%	0.25V/100K	1.3	35	45

PHYSICAL CHARACTERISTICS



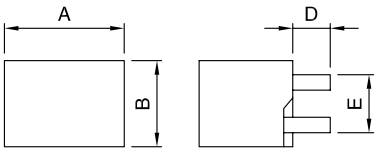
PHR-118S

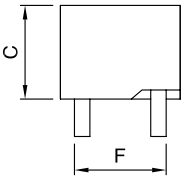
TECHNICAL INFORMATION

1.Testing Instrument: L: HP4192A, CH1302, CH3320, CH3320S LCR METER / Ddc: Agilent33420A Micro OHMMETER.
2. Heat Rated Current(Irms) will cause the coil temperature rise Approximately ΔT=60℃ without core loss.
3. Isat(A) will cause L0 to drop approximately 20%.
4. The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions.
5. Operating Temperature & Storage Temperature: –40℃ – +105℃.

Dimensions(mm)

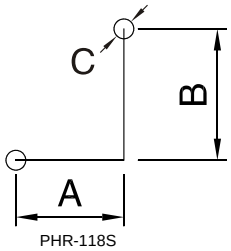
Part Number	A	B	C	D	E	F
PHR-118S-2R0M	11.30max	11.30max	8.0max	3.4±0.5	7.5±0.5	7.5±0.5
PHR-1320 series	12.80±0.2	9.20±0.2	10.0max	4.5±0.5	6.2±0.2	10.0±0.2



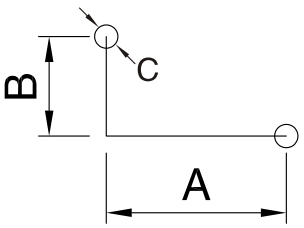


PHR-1320 series

SOLDERING AND MOUNTING



PHR-118S



PHR-1320 series

	Land Patterns For Reflow Soldering		
Size	A(mm)	B(mm)	C(mm)
PHR-118S	6.0±0.5	7.3±0.5	1.0max
PHR-1320 series	8.5±0.2	4.7±0.2	2.0±0.2

Note:All specifications subject to change without notice.

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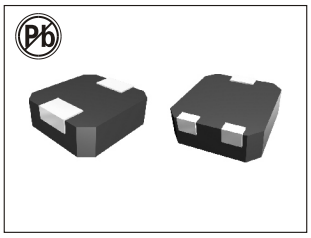


HIGH CURRENT POWER INDUCTORS

L-KLS18-SPQ-0603,0604 SERIES

FEATURES:

- Lowest height in this package footprint.
- Shielded construction.
- Lowest DCR/H, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- Frequency up to 5MHz.
- The products contain no lead and also support lead–freesoldering.

OPTIONS:

- Tape & Reel is Standard (Qty:1000pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

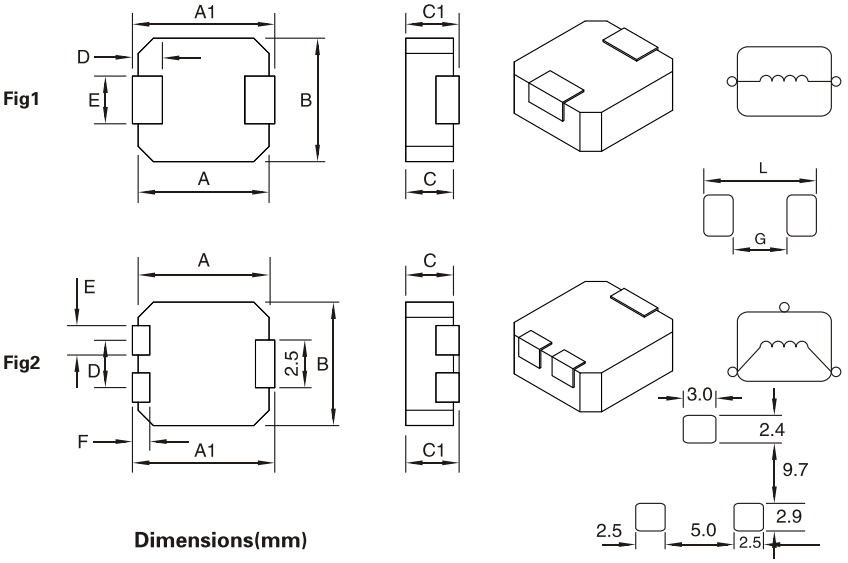
- Excellent for power line DC–DC conversion
- Applications usedin power switching
- Personal computers and other handheldelectronic equipment.

ELECTRICAL CHARACTERISTICS:

Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.	Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.
SPQ-0603H-R10M	3.0	0.10	32.5	42	1.7	SPQ-0603H-1R0M	3.0	1.0	11.0	16	10
SPQ-0603H-R15M	3.0	0.15	26.0	38	2.5	SPQ-0603H-1R5M	3.0	1.5	9.0	14	15
SPQ-0603H-R20M	3.0	0.20	24.0	36	3.0	SPQ-0603H-2R2M	3.0	2.2	8.0	12	20
SPQ-0603H-R22M	3.0	0.22	23.0	36	2.8	SPQ-0603H-3R3M	3.0	3.3	6.0	10	30
SPQ-0603H-R33M	3.0	0.33	20.0	30	3.9	SPQ-0603H-4R7M	3.0	4.7	5.5	6.5	40
SPQ-0603H-R47M	3.0	0.47	17.5	26	4.2	SPQ-0603H-6R8M	3.0	6.8	4.5	6.0	60
SPQ-0603H-R68M	3.0	0.68	15.5	23	5.5	SPQ-0604H-8R2M	4.0	8.2	4.0	5.5	68
SPQ-0603H-R82M	3.0	0.82	13.0	20	8.0	SPQ-0604H-100M	4.0	10.0	3.0	4.5	105

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Test Frequency : 100KHz / 0.25Vdc
- Testing Instrument : L:HP4284A, CH11025, CH3302, CH1320, CH1320S LCR METER/Rdc:CH16502, Agilent33420A MICRO OHMMETER.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: –40℃ – +105℃.



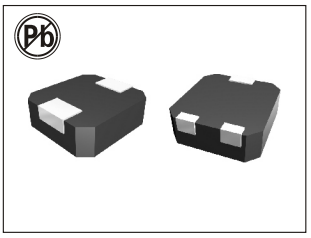
Dimensions(mm)

Series	A(mm)	A1(mm)	B(mm)	C(mm)	C1(mm)	D(mm)	E(mm)	L(mm)	G(mm)	M(mm)	Fig
SPQ-0603	6.86 ± 0.5	7.8 max.	7.0 max.	3.0 max.	3.2 max.	1.6 ± 0.5	2.1 ± 0.5	8.7	3.7	3.5	1
SPQ-0604	6.86 ± 0.5	7.8 max.	7.0 max.	4.0 max.	4.2 max.	1.6 ± 0.5	2.1 ± 0.5	8.7	3.7	3.5	1

Note:All specifications subject to change without notice.

HIGH CURRENT POWER INDUCTORS

L-KLS18-SPQ-1004 SERIES



FEATURES:

- Lowest height in this package footprint.
- Shielded construction.
- Lowest DCR/H, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- Frequency up to 5MHz.
- The products contain no lead and also support lead–freesoldering.

OPTIONS:

- Tape & Reel is Standard (Qty:900pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Excellent for power line DC–DC conversion
- Applications usedin power switching
- Personal computers and other handheldelectronic equipment.

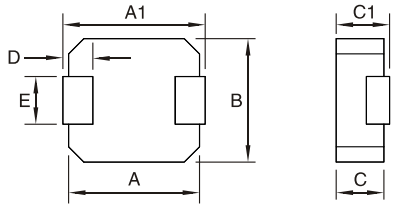
ELECTRICAL CHARACTERISTICS:

Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.	Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.
SPQ-1004H-R36M	4.0	0.36	28	40	1.4	SPQ-1004H-2R2M	4.0	2.20	11.5	16.5	8.56
SPQ-1004H-R47M	4.0	0.47	26	38	1.6	SPQ-1004H-3R3M	4.0	3.30	10.0	14.0	10.0
SPQ-1004H-R56M	4.0	0.56	25	36	1.9	SPQ-1004H-4R7M	4.0	4.70	8.00	13.0	13.5
SPQ-1004H-R68M	4.0	0.68	23	32	2.4	SPQ-1004H-5R6M	4.0	5.60	7.00	12.0	16.0
SPQ-1004H-1R0M	4.0	1.00	20	28	3.5	SPQ-1004H-8R2M	4.0	8.20	5.00	8.00	32.5
SPQ-1004H-1R5M	4.0	1.50	12	20	7.5						

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Test Frequency : 100KHz / 0.25Vdc
- Testing Instrument : L:HP4263B, CH3302, CH1320, CH1320S LCR METER/Rdc:CH16502, Agilent33420A MICRO OHMMETER.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: –40℃ – +105℃.

Fig1



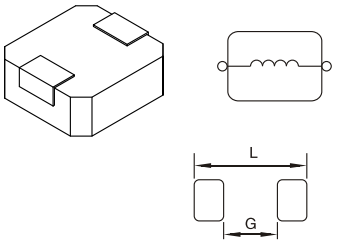
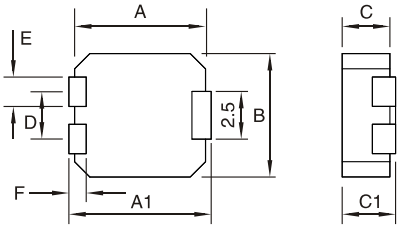
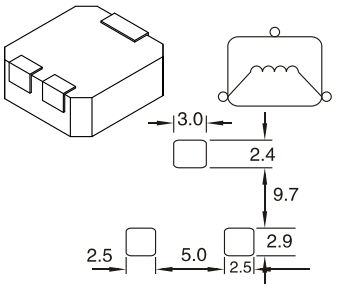


Fig2





Dimensions(mm)

Series	A(mm)	A1(mm)	B(mm)	C(mm)	C1(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)	Fig
SPQ-1004	10.7 ± 0.5	11.8 max.	10.5 max.	4.0 max.	4.2 max.	2.2 ± 0.5	2.9 ± 0.5	12.4	5.4	4.5	1

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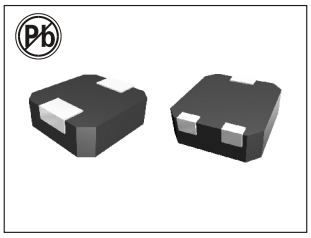


HIGH CURRENT POWER INDUCTORS

L-KLS18-SPQ-1203,1205 SERIES

FEATURES:

- Lowest height in this package footprint.
- Shielded construction.
- Lowest DCR/H, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- Frequency up to 5MHz.
- The products contain no lead and also support lead–freesoldering.

OPTIONS:

- Tape & Reel is Standard (Qty:600pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Excellent for power line DC–DC conversion
- Applications usedin power switching
- Personal computers and other handheldelectronic equipment.

ELECTRICAL CHARACTERISTICS:

Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.	Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.
SPQ-1203H-R10M	3.5	0.10	43	56	0.96	SPQ-1203H-1R5M	3.5	1.50	19	28	5.5
SPQ-1203H-R15M	3.5	0.15	41	50	1.2	SPQ-1203H-1R8M	3.5	1.80	16.5	24	7.0
SPQ-1203H-R22M	3.5	0.22	38.5	50	1.3	SPQ-1203H-2R2M	3.5	2.20	16	20	8.0
SPQ-1203H-R33M	3.5	0.33	36.5	50	1.5	SPQ-1203H-3R3M	3.5	3.30	12	18	12
SPQ-1203H-R47M	3.5	0.47	32	44	2.0	SPQ-1203H-4R7M	3.5	4.70	10	16	15
SPQ-1203H-R60M	3.5	0.60	29	42	2.5	SPQ-1203H-5R6M	3.5	5.60	10	14	18
SPQ-1203H-R68M	3.5	0.68	28	40	2.5	SPQ-1203H-6R8M	3.5	6.80	9.0	13	22
SPQ-1203H-R82M	3.5	0.82	25	38	3.0	SPQ-1205H-8R2M	5.0	8.20	8.5	12	28
SPQ-1203H-1R0M	3.5	1.00	24	36	3.5	SPQ-1205H-100M	5.0	10.0	7.0	9.5	34

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Test Frequency : 100KHz / 0.25Vdc
- Testing Instrument : L:HP4284A, CH11025, CH3302, CH1320, CH1320S LCR METER/Rdc:CH16502, Agilent33420A MICRO OHMMETER.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: –40℃ – +105℃.

Fig1

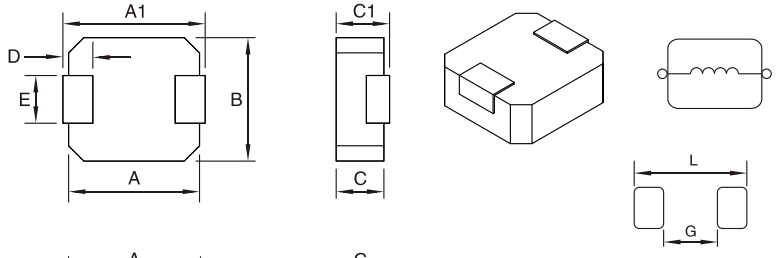
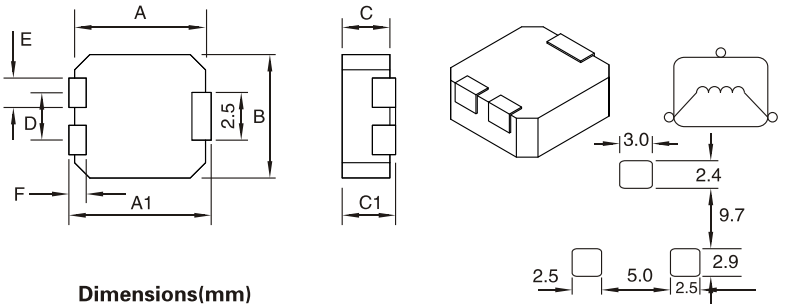


Fig2



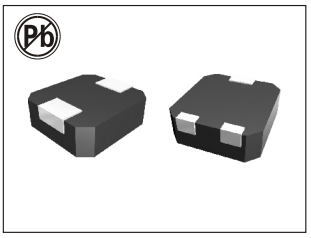
Dimensions(mm)

Series	A(mm)	A1(mm)	B(mm)	C(mm)	C1(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)	Fig
SPQ-1203	12.7 ± 0.3	13.9 max.	13.5 max.	3.5 max.	3.7 max.	2.5 ± 0.5	3.0 ± 0.5	15.0	7.0	4.5	1
SPQ-1205	12.7 ± 0.3	13.9 max.	13.5 max.	5.0 max.	5.2 max.	2.5 ± 0.5	3.0 ± 0.5	15.0	7.0	4.5	1

Note:All specifications subject to change without notice.

HIGH CURRENT POWER INDUCTORS

L-KLS18-SPQ-1205P,1254P3 SERIES



FEATURES:

- Lowest height in this package footprint.
- Shielded construction.
- Lowest DCR/H, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- Frequency up to 5MHz.
- The products contain no lead and also support lead–freesoldering.

OPTIONS:

- Tape & Reel is Standard (Qty:600pcs.) Bulk packaging Available for Smaller Quantities
- Tolerance:M=20% ,N=30% is Standard,Tighter Tolerances Available

COMMON APPLCATIONS:

- Excellent for power line DC–DC conversion
- Applications usedin power switching
- Personal computers and other handheldelectronic equipment.

ELECTRICAL CHARACTERISTICS:

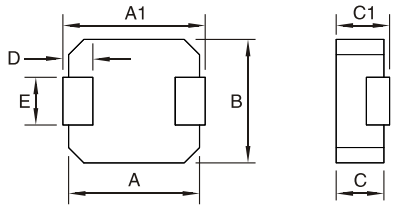
Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.
SPQ-1205P-R36M	5.0	0.36	41	75	1.1
SPQ-1205P-R47M	5.0	0.47	38	65	1.3
SPQ-1205P-R50M	5.0	0.50	36	55	1.5
SPQ-1205P-R56M	5.0	0.56	36	55	1.5
SPQ-1205P-R68M	5.0	0.68	34	54	1.7
SPQ-1205P-1R0M	5.0	1.00	29	50	2.5
SPQ-1205P-1R5M	5.0	1.50	23	48	4.1

Part Number	Thickness (mm)max.	Inductance L0(μH) ± 20% @0Adc	I rms (A)	I sat (A)	DCR (mΩ)max.
SPQ-1254P3-R68M	5.4	0.68	29.7	38.8	1.5
SPQ-1254P3-1R0M	5.4	1.00	25.7	33.6	2.0
SPQ-1254P3-1R2M	5.4	1.20	23.1	26.9	2.6
SPQ-1254P3-2R2M	5.4	2.20	17.8	19.6	4.5
SPQ-1254P3-3R3M	5.4	3.30	14.4	17.5	7.0
SPQ-1254P3-4R7M	5.4	4.70	12.8	14.9	8.8

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Test Frequency : 100KHz / 0.25Vdc
- Testing Instrument : L:HP4284A, CH11025, CH3302, CH1320, CH1320S LCR METER/Rdc:CH16502, Agilent33420A MICRO OHMMETER.
- Heat Rated Current (Irms) will cause the coil temperature rise approximately, △T=40℃ without core loss.
- Saturation Current (Isat) will cause L0 to drop approximately 20%
- The part temperature (ambient + temp rise) should not exceed 125℃ under worst case operating conditions. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
- Operating Temperature & Storage Temperature: –40℃ – +105℃.

Fig1



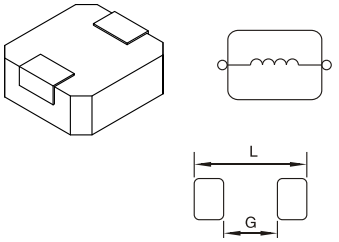
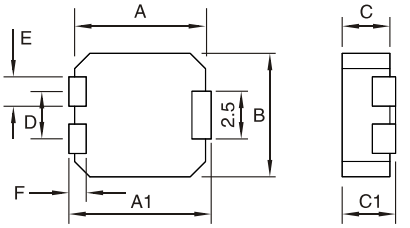
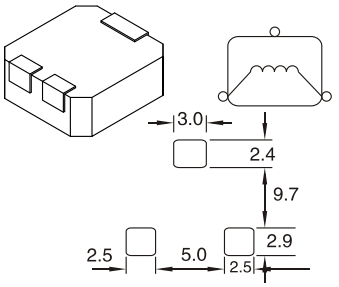


Fig2





Dimensions(mm)

Series	A(mm)	A1(mm)	B(mm)	C(mm)	C1(mm)	D(mm)	E(mm)	F(mm)	L(mm)	G(mm)	H(mm)	Fig
SPQ-1205P	12.7 ± 0.3	13.9 max.	13.5 max.	5.0 max.	5.2 max.	2.5 ± 0.5	3.0 ± 0.5	--	15.0	7.0	4.5	1
SPQ-1254P3	12.9 ± 0.3	13.9 max.	13.9 max.	5.3 max.	5.4 max.	7.6 ± 0.3	2.0 ± 0.3	2.0 ± 0.3	Refer to fig 1			2

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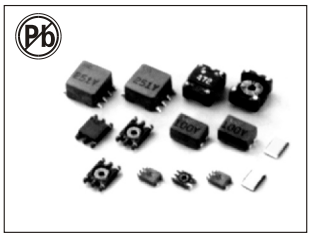


SHIELDED SMD POWER INDUCTORS

L-KLS18-SQE-0906,SQE-0908 SERIES

FEATURES:

- Magnetic Shielded Surface Mount Inductor with High Current Rating.
- Low Resistance to Keep Power Loss Minimum.

OPTIONS:

- Tape & Reel is Standard (Qty:SB0906: 600pcs, SB0908:400pcs) Bulk packaging Available for Smaller Quantities
- Tolerance: M=20%, Y=15% is Standard, Tighter Tolerances Available

COMMON APPLCATIONS:

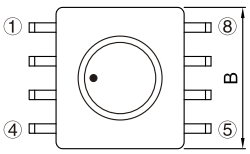
- Excellent for Power Line DC–DC Conversion
- Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

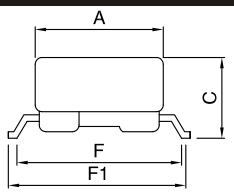
ELECTRICAL CHARACTERISTICS:

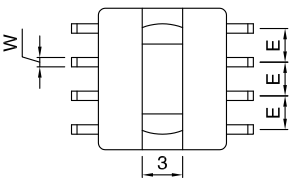
Part Number	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.	Part Number	Inductance (μH)	Q ref.	Test Freq. (Hz)		SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.
SQE-0906			L	Q				SQE-0906			L	Q			
2R7M	2.70 ± 20%	23	1K	7.96 M	85.00	0.032	3.200	560M	56.00 ± 20%	35	1K	2.520 M	12.00	0.300	0.930
3R5M	3.50 ± 20%	23	1K	7.96 M	80.00	0.036	2.900	680M	68.00 ± 20%	40	1K	2.520 M	9.00	0.350	0.850
4R7M	4.70 ± 20%	23	1K	7.96 M	70.00	0.040	2.700	820M	82.00 ± 20%	40	1K	2.520 M	8.00	0.370	0.780
5R6M	5.60 ± 20%	23	1K	7.96 M	57.00	0.046	2.500	101Y	100.0 ± 15%	40	1K	0.796 M	7.50	0.420	0.700
6R8M	6.80 ± 20%	23	1K	7.96 M	38.00	0.050	2.300	121Y	120.0 ± 15%	40	1K	0.796 M	7.00	0.480	0.650
8R2M	8.20 ± 20%	23	1K	7.96 M	30.00	0.055	2.100	151Y	150.0 ± 15%	40	1K	0.796 M	6.00	0.550	0.600
100M	10.00 ± 20%	35	1K	2.520 M	29.00	0.080	1.800	181Y	180.0 ± 15%	40	1K	0.796 M	5.50	0.820	0.520
120M	12.00 ± 20%	35	1K	2.520 M	26.00	0.085	1.700	221Y	220.0 ± 15%	40	1K	0.796 M	5.00	1.000	0.480
150M	15.00 ± 20%	35	1K	2.520 M	29.00	0.100	1.600	271Y	270.0 ± 15%	40	1K	0.796 M	5.00	1.100	0.440
180M	18.00 ± 20%	35	1K	2.520 M	22.00	0.110	1.500	331Y	330.0 ± 15%	40	1K	0.796 M	4.50	1.300	0.400
220M	22.00 ± 20%	35	1K	2.520 M	19.00	0.130	1.400	391Y	390.0 ± 15%	40	1K	0.796 M	4.20	1.400	0.380
270M	27.00 ± 20%	35	1K	2.520 M	17.00	0.140	1.300	471Y	470.0 ± 15%	40	1K	0.796 M	4.00	1.600	0.350
330M	33.00 ± 20%	35	1K	2.520 M	15.00	0.150	1.200	561Y	560.0 ± 15%	60	1K	0.796 M	3.20	2.700	0.280
390M	39.00 ± 20%	35	1K	2.520 M	14.00	0.160	1.100	681Y	680.0 ± 15%	60	1K	0.796 M	2.70	3.200	0.250
470M	47.00 ± 20%	35	1K	2.520 M	12.00	0.180	1.000	821Y	820.0 ± 15%	85	1K	0.796 M	2.60	3.500	0.230

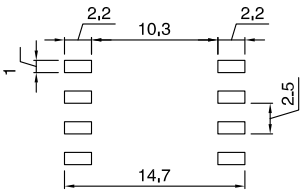
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

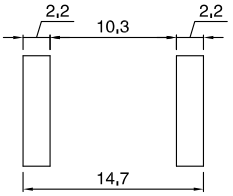
- Materials:
  1. Core: Ferrite DR Core & RI Core
  2. Wire: Enamelled Copper Wire
  3. Base: LCP E4008
  4. Terminal: Tinned Copper Plate
  5. Adhesive: Epoxy Resin
- General Specification:
  1. Storage Temperature: – 40℃ – +125℃
  2. Operation Temperature: – 40℃ – + 105℃
  3. Rated Current: Base on Temperature &△L/L0A=10%max
  4. Resistance to solder heat: 260℃,10 secs.











SQE-0906 Series
SQE-0908 101Y-153Y

SQE-0908 1R5M-820M

Dimensions(mm)

Series	A	B	C	E	F	F1	W
SQE-0906	9.50 ± 0.3	10.50+0	6.00 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1
SQE-0908	9.50 ± 0.3	10.50+0	7.50 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1

Note:All specifications subject to change without notice.

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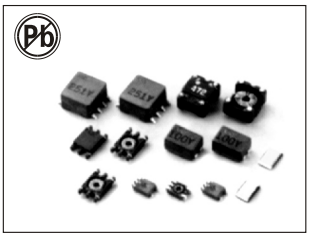
SHIELDED SMD POWER INDUCTORS

L-KLS18-SQE-0906,SQE-0908



FEATURES:

- Magnetic Shielded Surface Mount Inductor with High Current Rating.
- Low Resistance to Keep Power Loss Minimum.

OPTIONS:

- Tape & Reel is Standard (Qty:SB0906: 600pcs, SB0908:400pcs) Bulk packaging Available for Smaller Quantities
- Tolerance: M=20%, Y=15% is Standard, Tighter Tolerances Available

COMMON APPLCATIONS:

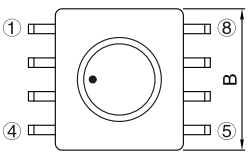
- Excellent for Power Line DC–DC Conversion
- Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

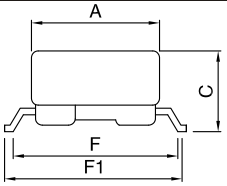
ELECTRICAL CHARACTERISTICS:

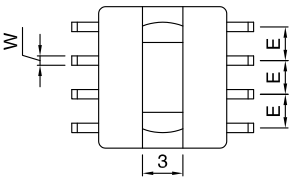
Part Number SQE-0906	Inductance (μH)	Q ref.	Test Freq.(Hz) L	Test Freq.(Hz) Q	SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.	Part Number SQE-0908	Inductance (μH)	Q ref.	Test Freq.(Hz) L	Test Freq.(Hz) Q	SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.
102Y	1000.0 ± 15%	100	1K	0.252 M	2.30	4.00	0.220	1R5M	1.50 ± 20%	20	1K	7.960 M	65.0	0.014	5600
122Y	1200.0 ± 15%	100	1K	0.252 M	2.30	4.40	0.200	2R7M	2.70 ± 20%	20	1K	7.960 M	50.0	0.019	4800
152Y	1500.0 ± 15%	100	1K	0.252 M	2.00	5.20	0.180	3R9M	3.90 ± 20%	20	1K	7.960 M	35.0	0.021	4400
182Y	1800.0 ± 15%	100	1K	0.252 M	1.70	7.00	0.170	5R6M	5.60 ± 20%	18	1K	7.960 M	25.0	0.027	3800
222Y	2200.0 ± 15%	100	1K	0.252 M	1.50	8.50	0.160	7R5M	7.50 ± 20%	18	1K	7.960 M	15.0	0.032	3400
272Y	2700.0 ± 15%	100	1K	0.252 M	1.40	9.20	0.140	100M	10.00 ± 20%	33	1K	2.520 M	11.0	0.040	3000
332Y	3300.0 ± 15%	100	1K	0.252 M	1.30	11.0	0.120	120M	12.00 ± 20%	40	1K	2.520 M	11.0	0.050	2500
392Y	3900.0 ± 15%	100	1K	0.252 M	1.20	16.0	0.110	150M	15.00 ± 20%	45	1K	2.520 M	8.50	0.065	2200
472Y	4700.0 ± 15%	100	1K	0.252 M	1.00	19.0	0.100	180M	18.00 ± 20%	40	1K	2.520 M	8.50	0.075	2000
562Y	5600.0 ± 15%	100	1K	0.252 M	0.90	21.0	0.090	220M	22.00 ± 20%	35	1K	2.520 M	6.00	0.080	1900
682Y	6800.0 ± 15%	100	1K	0.252 M	0.90	24.0	0.090	270M	27.00 ± 20%	45	1K	2.520 M	6.00	0.090	1800
822Y	8200.0 ± 15%	100	1K	0.252 M	0.80	31.0	0.080	330M	33.00 ± 20%	40	1K	2.520 M	5.00	0.100	1700
103Y	10000.0 ± 15%	100	1K	79.60 K	0.70	38.0	0.070	390M	39.00 ± 20%	45	1K	2.520 M	5.00	0.135	1500

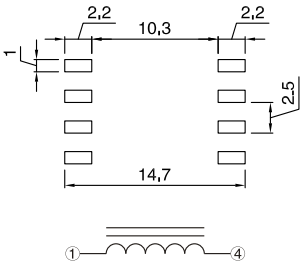
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

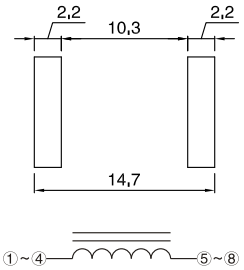
- Materials:
  1. Core: Ferrite DR Core & RI Core
  2. Wire: Enamelled Copper Wire
  3. Base: LCP E4008
  4. Terminal: Tinned Copper Plate
  5. Adhesive: Epoxy Resin
- General Specification:
  1. Storage Temperature: – 40℃ – +125℃
  2. Operation Temperature: – 40℃ – + 105℃
  3. Rated Current: Base on Temperature &△L/L0A=10%max
  4. Resistance to solder heat: 260℃,10 secs.











Dimensions(mm)

Series	A	B	C	E	F	F1	W
SQE-0906	9.50 ± 0.3	10.50+0	6.00 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1
SQE-0908	9.50 ± 0.3	10.50+0	7.50 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1

SQE-0906 Series
SQE-0908 101Y-153Y

SQE-0908 1R5M-820M

Note:All specifications subject to change without notice.

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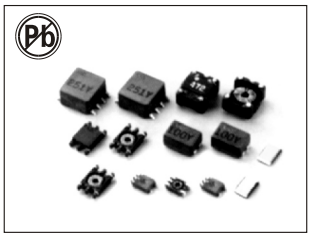


SHIELDED SMD POWER INDUCTORS

L-KLS18-SQE-0906,SQE-0908 SERIES

FEATURES:

- Magnetic Shielded Surface Mount Inductor with High Current Rating.
- Low Resistance to Keep Power Loss Minimum.

OPTIONS:

- Tape & Reel is Standard (Qty:SB0906: 600pcs, SB0908:400pcs) Bulk packaging Available for Smaller Quantities
- Tolerance: M=20%, Y=15% is Standard, Tighter Tolerances Available

COMMON APPLCATIONS:

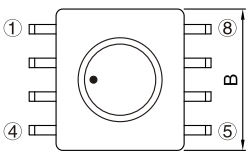
- Excellent for Power Line DC–DC Conversion
- Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

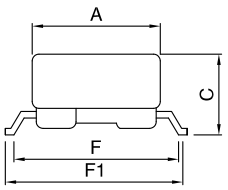
ELECTRICAL CHARACTERISTICS:

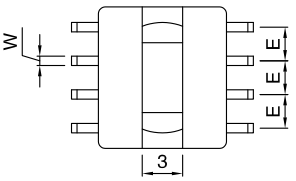
Part Number SQE-0908	Inductance (μH)	Q ref.	Test Freq.(Hz) L	Test Freq.(Hz) Q	SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.	Part Number SQE-0908	Inductance (μH)	Q ref.	Test Freq.(Hz) L	Test Freq.(Hz) Q	SRF (MHz) min.	DCR (Ω) max.	IDC(A) max.
470M	47.00 ± 20%	40	1K	2.520 M	4.00	0.150	1400	561Y	560.00 ± 15%	35	1K	0.796 M	2.20	1.500	380
560M	56.00 ± 20%	35	1K	2.520 M	3.00	0.165	1350	681Y	680.00 ± 15%	30	1K	0.796 M	2.00	1.700	350
680M	68.00 ± 20%	30	1K	2.520 M	2.50	0.184	1250	821Y	820.00 ± 15%	35	1K	0.796 M	1.90	2.200	320
820M	82.00 ± 20%	30	1K	2.520 M	2.40	0.260	1050	102Y	1000.00 ± 15%	85	1K	0.252 M	1.80	2.500	300
101Y	100.00 ± 15%	40	1K	0.796 M	6.00	0.280	1000	152Y	1500.00 ± 15%	120	1K	0.252 M	1.30	4.000	250
121Y	120.00 ± 15%	42	1K	0.796 M	5.70	0.340	900	222Y	2200.00 ± 15%	95	1K	0.252 M	1.00	5.000	200
151Y	150.00 ± 15%	45	1K	0.796 M	4.60	0.450	800	332Y	3300.00 ± 15%	95	1K	0.252 M	0.90	8.000	150
181Y	180.00 ± 15%	35	1K	0.796 M	4.20	0.500	700	472Y	4700.00 ± 15%	90	1K	0.252 M	0.80	12.00	120
221Y	220.00 ± 15%	35	1K	0.796 M	3.80	0.600	650	682Y	6800.00 ± 15%	90	1K	0.252 M	0.60	16.50	100
271Y	270.00 ± 15%	30	1K	0.796 M	3.40	0.700	600	822Y	8200.00 ± 15%	85	1K	0.252 M	0.50	24.00	97
331Y	330.00 ± 15%	30	1K	0.796 M	3.00	0.800	550	103Y	10000.00 ± 15%	110	1K	79.60 K	0.50	26.00	95
391Y	390.00 ± 15%	33	1K	0.796 M	2.60	1.000	500	153Y	15000.00 ± 15%	130	1K	79.60 K	0.40	40.00	75
471Y	470.00 ± 15%	30	1K	0.796 M	2.30	1.150	450								

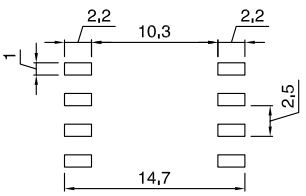
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

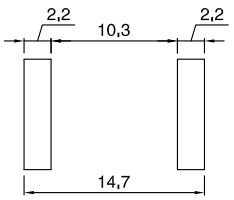
- Materials:
  1. Core: Ferrite DR Core & RI Core
  2. Wire: Enamelled Copper Wire
  3. Base: LCP E4008
  4. Terminal: Tinned Copper Plate
  5. Adhesive: Epoxy Resin
- General Specification:
  1. Storage Temperature: – 40℃ – +125℃
  2. Operation Temperature: – 40℃ – + 105℃
  3. Rated Current: Base on Temperature &△L/L0A=10%max
  4. Resistance to solder heat: 260℃,10 secs.











SQE-0906 Series
SQE-0908 101Y-153Y

SQE-0908 1R5M-820M

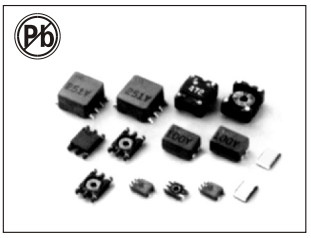
Dimensions(mm)

Series	A	B	C	E	F	F1	W
SQE-0906	9.50 ± 0.3	10.50+0	6.00 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1
SQE-0908	9.50 ± 0.3	10.50+0	7.50 ± 0.3	2.50 ± 0.3	11.0 ± 0.3	12.7 ± 0.8	0.7 ± 0.1

Note:All specifications subject to change without notice.

SMD LINE FILTER

L-KLS18-SQF-0503,0602 SERIES



FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz
- Lead free construction

OPTIONS:

- Tape & Reel is Standard (Qty:0503:500pcs, 0602:1000pcs) Bulk packaging Available for Smaller Quantities

COMMON APPLCATIONS:

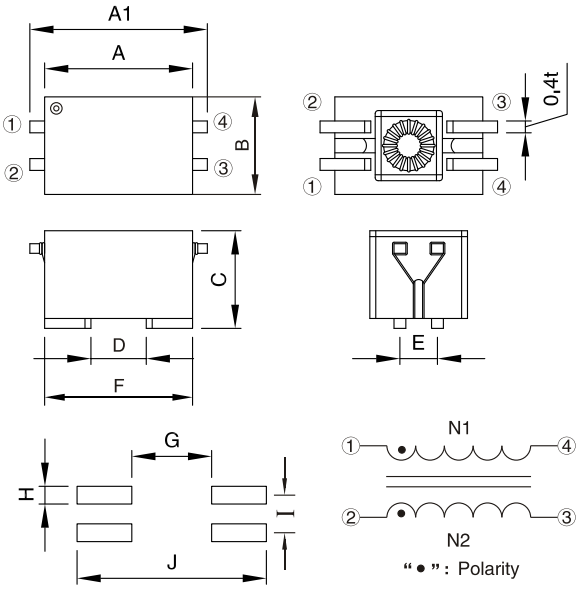
- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines,e.g.,CAN Bus

ELECTRICAL CHARACTERISTICS:

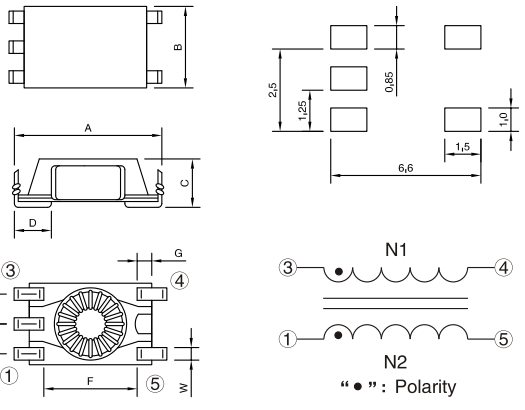
Part Number	L1,L2 @10KHz 0.1Vrms (μH) +50% −30%	Freq. rang (μH)	Impedance min(Ω)	DCR(Ω) (each Winding)		RatedCurrent (mA)typ.
SQF-0503				max.	typ.	
110YL	11	100~500	450	0.180	0.130	100
220YL	22	40~300	900	0.230	0.170	100
330YL	33	30~250	1000	0.270	0.200	100
500YL	50	20~150	1400	0.320	0.240	100

Part Number	L (μH)	L–L (μH) max.	DCR(Ω) max. N1=N2	Rated Current (mA)	Impedance(Z)	
SQF-0602					Freq.range MHz	min (Ω)
100YL	10±50%	1	0.240	300	350~570	600
470YL	47±50%	4	2.160	300	4~1600	140
820YL	82±50%	4	2.200	300	3~850	220
101YL	100±50%	8	0.220	300	3~660	260
181YL	180±50%	8	0.250	300	3~250	500
221YL	220±50%	10	0.280	300	3~210	600
331YL	330±50%	10	0.300	300	3~120	900

PHYSICAL CHARACTERISTICS:



SQF-0503



SQF-0602

TECHNICAL INFORMATION

- Materials:
  1. Core: Ferrite Core(0503), Ferrite Toroidal Core(0602)
  2. Wire: Enamelled Copper Wire(Class F)
  3. Base: LCP (UL 94V–0)(0503), LCP(0602)
  4. Terminal: Cu / Ni / Sn
  5. Adhesive: Epoxy Resin
- General Specification:
  1. Storage Temperature: – 40℃ – +125℃(0503), – 40℃ – + 85℃(0602)
  2. Operation Temperature: – 40℃ – + 105℃(0503), – 40℃ – + 85℃(0602)
  3. Temperature Rise Included: 25℃ max(0503), 20℃ max(0602) at Rated Current
  4. Resistance to solder heat: 260℃,10 secs.

Dimensions(mm)

Series	A1	A	B	C	D	E	F	G	H	I	J
SQF-0503	6.00±0.3	5.00±0.3	3.30±0.3	3.30±0.2	3.10 typ.	1.27 typ.	5.00 typ.	2.70 typ.	0.60ref.	1.27ref.	6.40ref.

Series	A	B	C	D	E	F	G	W
SQF-0602	6.50 max	3.60±0.15	1.65±0.15	0.90min	1.25±0.10	3.4±0.2	0.8max	0.55±0.10

Note:All specifications subject to change without notice.

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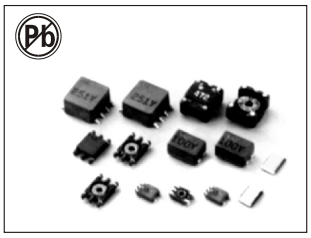


SMD LINE FILTER

L-KLS18-SQF-0903,0904 SERIES

FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz
- Lead free construction

OPTIONS:

- Tape & Reel is Standard (Qty:1500pcs) Bulk packaging Available for Smaller Quantities

COMMON APPLCATIONS:

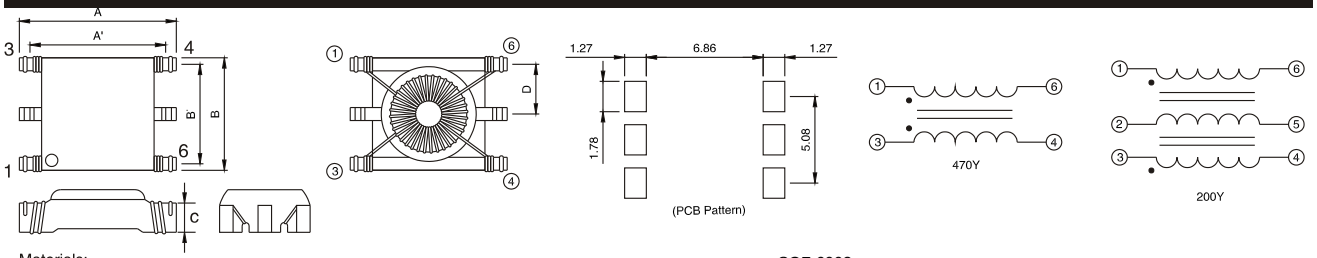
- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines,e.g.,CAN Bus

ELECTRICAL CHARACTERISTICS:

Part Number	L(μH) 100K/0.1V	L-L(μH) 100K/0.02V	C(pF) 100K/0.02V	DCR(Ω) max.	Tums Ratio	Insertion Loss		Impedance(z)	
SQF-0903						Freq.rang	db	Freq.rang	min(Ω)
470YAB	47.0 min.	0.18^{+0}	20^{+0}	0.4	1:1	1~100MHz	20^{-0}	10~30MHz	1000
200YAB	20.0 min.	0.10^{+0}	18^{+0}	0.4	1:1:1	30~300MHz	20^{-0}	30~100MHz	800

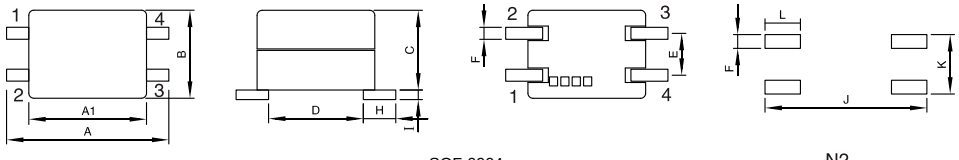
Part Number	L(1–4) @100KHz,0.1Vrms (μH)	L-L(1–4) @100KHz,0.1Vrms typ.(2–3 short) max.	DCR (winding) (Ω) max.	Rated Current max.	winding
SQF-0904					
110YL	11±25%	0.050(μH)	0.120	0.50 A	Bifilar
250YL	25±25%	1.500(μH)	0.200	0.50 A	Bifilar
510YL	51±25%	2.000(μH)	0.300	0.50 A	Bifilar
471YL	470±25%	0.280(μH)	0.280	0.50 A	Bifilar
102YL	1000±25%	0.290(μH)	0.400	0.50 A	Bifilar
472YL	4700±25%	0.300(μH)	0.700	0.20 A	Bifilar

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



SQF-0903

- Materials:
  1. Core: Ferrite Toroidal Core(0903–A), Ferrite Core(0904)
  2. Wire: Enamelled Copper Wire(Class F)
  3. Base: Phenolic(0903–A), PPHS(UL940V–0)(0904)
  4. Terminal: Cu / Ni / Sn (0904)
  5. Adhesive: Epoxy Resin (0904)
  6. Case: PPHS(UL940V–0)(0904)
- General Specification:
  1. Storage Temperature: –40℃ – +105℃(0903–A) –40℃ – + 135℃(0904)
  2. Operation Temperature: –25℃ – + 85℃(0903–A) –40℃ – + 135℃(0904)
  3. Temperature Rise Included: 30℃ max at Rated Current (0904)
  4. Resistance to solder heat: 260℃,10 secs.



SQF-0904

Dimensions(mm)

Series	A	A1	B	B1	C	D
SQF-0903	9.20max.	7.24 typ.	6.60 max	5.08 typ.	2.50 max	2.54 typ.

Series	A1	A	B	C	D	E	F	H	I	J	K	L	M
SQF-0904	9.20±0.3	7.1 type.	6.00±0.3	5.00±0.3	5.32 typ.	2.49 typ.	0.60 typ.	1.92 typ.	0.25 typ.	9.60 ref.	3.40 ref.	2.20 ref.	1.00 ref.

Note:
All specifications subject to change without notice.

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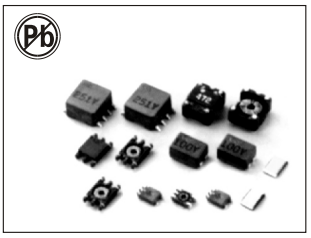
SMD LINE FILTER

L-KLS18-SQF-0905 SERIES



FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz

OPTIONS:

- Tape & Reel is Standard (Qty:1000pcs) Bulk packaging Available for Smaller Quantities

COMMON APPLCATIONS:

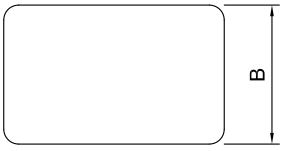
- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines,e.g.,CAN Bus

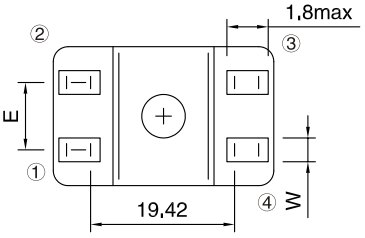
ELECTRICAL CHARACTERISTICS:

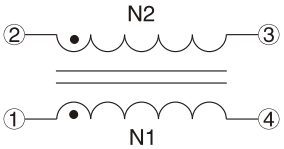
Part Number / SQF-0905	Inductance L1,L2 (μH)	Test Condition	DC Resistance N1,N2(Ω)	Nominal voltage vac(V)	Rated Current (A)	Impedance (Ω)	Freq. range (MHz.)
100YS	10±30%	0.1V, 1KHz	0.080 max.	50	1.60	200 min	20~300
250YS	25±30%	0.1V, 1KHz	0.160max.	50	1.00	600min	20~150
400YS	40±30%	0.1V,1KHz	0.250max.	50	0.90	800min	20~100
500YS	50±30%	0.1V, 1KHz	0.320max.	50	0.80	1500min	20~100
251YS	250±50%	0.1V, 100KHz	0.130max.	50	1.20	600min	3~20
471YS	470±50%	0.1V, 100KHz	0.140max.	50	1.10	1000min	2~20
501YS	500±50%	0.1V, 100KHz	0.150max.	50	1300	1000 min	1~20
102YS	1000±50%	0.1V, 100KHz	0.310max.	50	0.80	1500 min	1~15
202YS	2000±50%	0.1V, 100KHz	0.420max.	50	0.60	3000 min	1~5
472YS	4700±50%	0.1V, 100KHz	0.900max.	50	0.40	4000 min	0.3~3
652YS	6500±50%	0.1V, 100KHz	1.050max.	50	0.30	5000 min	0.3~2

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

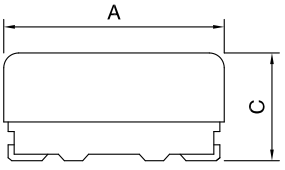
- Materials:
  1. Core: Ferrite Toroidal Core
  2. Wire: Enamelled Copper Wire
  3. Base: LCP
  4. Case: LCP
  5. Terminal: Tinned Copper Plate
- General Specification:
  1. Storage Temperature: – 40℃ – + 105℃
  2. Operation Temperature: – 40℃ – + 85℃
  3. Temperature Rise : 45℃ max. at Rated Current
  4. Resistance to solder heat: 260℃,10 secs.

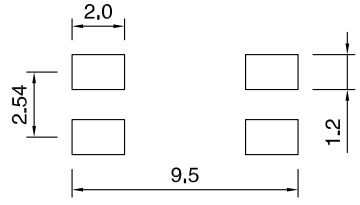






"●": Polarity





(PCB Pattern)

Dimensions(mm)

Series	A	B	C	E	F	W
SQF-0905	9.20±3.0	6.00±0.30	5.00±0.30	2.54±0.20	5.70 ref.	1.00±0.10

Note:All specifications subject to change without notice.

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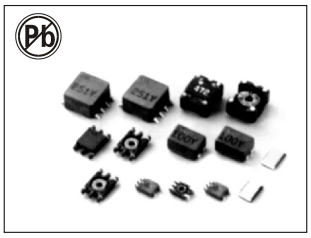


SMD LINE FILTER

L-KLS18-SQF-1306 SERIES

FEATURES:

- Low profile very effective in space conscious applications
- Low resistance filters have been designed for excellent electrical isolation
- High quality toroidal core
- Wide frequency range over 1000MHz
- Lead free construction

OPTIONS:

- Tape & Reel is Standard (Qty:600pcs) Bulk packaging Available for Smaller Quantities

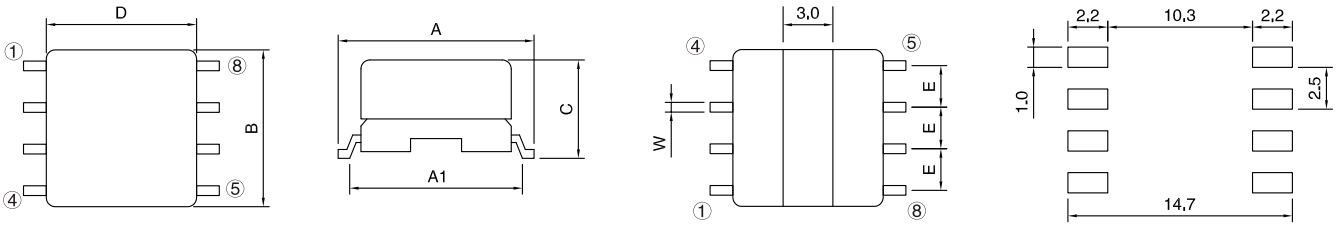
COMMON APPLCATIONS:

- Provide common mode noise attenuation
- Reduce conducted noise
- For the suppression of EMI in data lines and signal lines,e.g.,CAN Bus

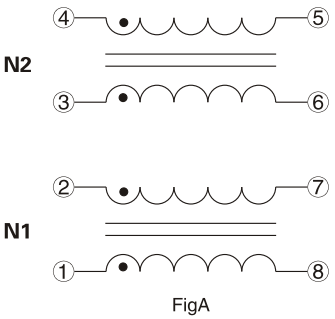
ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (μ H)		DC resistance N1,N2(Ω)	Rated Current (A)	Impedance (Ω)	Freq. rang (MHz)	Fig
SQF-1306	L1,L2	L1–L2					
350YA	35 ± 35%	4 max.	0.035 max	2.70max	400 min	5.0~250	B
600YA	60 ± 35%	5 max.	0.065max	2.00max	600min	5.0~100	B
101YA	100 ± 35%	15 max.	0.100max	0.70max	300min	1.0~50	A
251YA	250 ± 35%	25 max.	0.150max	0.60max	600min	1.0~40	A
501YA	500 ± 35%	35 max.	0.300max	0.40max	1200min	1.0~40	A
102YA	1000 ± 35%	45 max.	0.400max	0.35max	2200min	0.5~10	A
501YA	500 ± 35%	35 max.	0.300max	0.40max	1200min	1.0~40	A
102YA	1000 ± 35%	45 max.	0.400max	0.35max	2200min	0.5~10	A

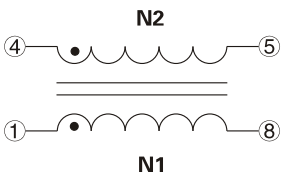
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



- Materials:
  1. Core: Ferrite Toroidal Core
  2. Wire: Enamelled Copper Wire
  3. Base: LCP
  4. Terminal: Tinned Copper Plate
  5. Adhesive: Epoxy Resin (0904)
  6. Case: LCP
- General Specification:
  1. Storage Temperature: – 25℃ – +85℃
  2. Operating Temperature: – 20℃ – + 80℃
  3. Resistance to solder heat: 260℃,10 secs.



FigA



FigB

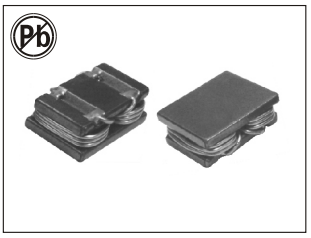
Dimensions(mm)

Series	A	A1	B	C	D	E	W
SQF-1306	12.7 ± 0.80	11.00 ± 0.50	10.50max	5.75 ± 0.30	9.50 ± 0.20	2.50 ± 0.20	0.70 ± 0.10

Note: All specifications subject to change without notice.

SURFACE–MOUNT COMMON MODE CHOKES

L-KLS18-SPF75T,83T, 105T,125T SERIES



FEATURES:

- Ferrite Core bobbin construction
- High frequency and Large current
- Excellent Mechanical Strength
- Excellent Solderability
- Excellent Frequency performance
- Low Profile and Low cost

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% is standard, tighter tolerances available

COMMON APPLCATIONS:

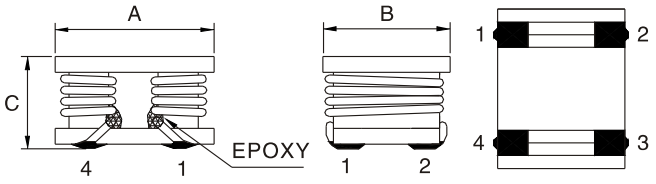
- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	Common Mode Impedance@100MHz (Ω)Typical	IDC (A)Max	DCR (mΩ)Max
SPF75T-601	600	4.0	15
SPF75T-102	1000	3.0	17
SPF75T-122	1200	3.0	25
SPF75T-152	1500	2.0	40
SPF83T-501	500	3.0	18
SPF83T-801	800	2.0	28
SPF83T-102	1000	1.5	58
SPF105T-401	400	7.0	5
SPF105T-751	750	5.0	10
SPF105T-102	1000	4.0	15
SPF125T-901	900	10.0	10
SPF125T-102	1000	7.0	15
SPF125T-122	1200	5.0	25

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

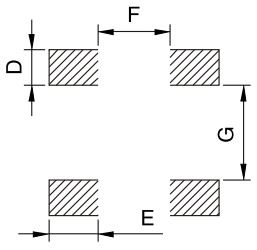


- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

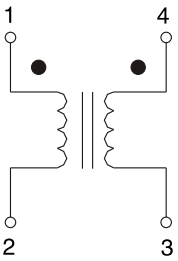
Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

LAND PATTERNS



DIMENSIONS IN:mm



Type	A	B	C	D	E	F	G
SPF75T	7.5 ± 0.3	8.8 ± 0.3	5.0 ± 0.3	2.0	2.8	2.6	1.4
SPF83T	8.0 Max	6.5 Max	3.5 Max	2.0	2.0	2.0	2.6
SPF105T	10.5 Max	8.5 Max	5.5 Max	2.1	2.4	2.9	3.9
SPF125T	12.0 ± 0.3	10.0 ± 0.3	4.5 ± 0.3	2.6	3.0	3.0	4.4

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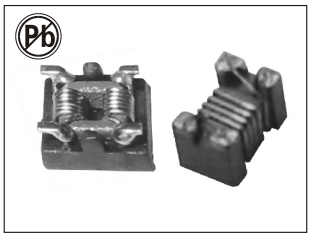


SURFACE–MOUNT WOUND COMMON MODE CHOKES

L-KLS18-SQG-0805,1206

CM01,CM02 SERIES

FEATURES:

- Ferrite Core bobbin construction
- High frequency and Large current
- Excellent Mechanical Strength
- Excellent Solderability
- Excellent Frequency performance
- Low Profile and Low cost

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% is standard, tighter tolerances available

COMMON APPLCATIONS:

- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	Common Mode Impedance @3MHz (Ω)min	IDC (A) Max	DCR (mΩ) Max	Rated Voltage VDC	Wistanding Voltage (CH–901)
CM01–301M	300	0.5	25	80	AC150V 2mA/1min
CM02–501M	500	0.8	70	80	
CM02–801M	800	0.6	180	80	
CM02–102M	1000	0.5	200	80	
CM02–202M	2000	0.4	270	80	
CM02–302M	3000	0.35	330	80	
CM02–402M	4000	0.30	550	80	
CM02–502M	5000	0.25	620	80	

Part Number	Common Mode Impedance @100MHz (Ω)TYPE	IDC (mA) Max	DCR (Ω) Max	Rated Voltage VDC	Wistanding Voltage (CH–901)
SQG-0805-670	47Ω(67Ω)	400	0.25	50	125VDC
SQG-0805-900	63Ω(90Ω)	330	0.35	50	125VDC
SQG-0805-121	84Ω(120Ω)	370	0.30	50	125VDC
SQG-0805-181	126Ω(180Ω)	330	0.35	50	125VDC
SQG-0805-261	182Ω(260Ω)	300	0.40	50	125VDC
SQG-0805-371	259Ω(370Ω)	280	0.45	50	125VDC
SQG-1206-900	63Ω(90Ω)	370	0.30	50	125VDC
SQG-1206-161	112Ω(160Ω)	340	0.40	50	125VDC
SQG-1206-261	182Ω(260Ω)	310	0.50	50	125VDC
SQG-1206-601	420Ω(600Ω)	260	0.80	50	125VDC
SQG-1206-102	700Ω(1000Ω)	230	1.00	50	125VDC
SQG-1206-222	1540Ω(2200Ω)	200	1.20	50	125VDC

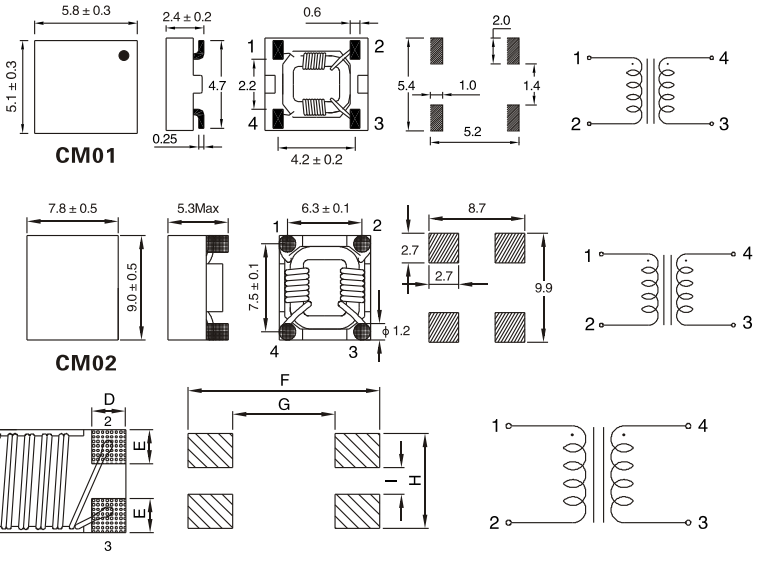
Note:1. K=±10%,M=±20%,N=±30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

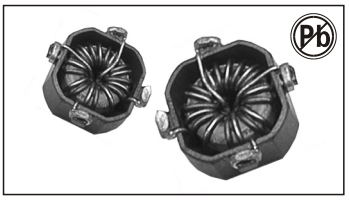


Part Number	A	B	C	D	E	F	G	H	I
SQG-0805	2.060.2	1.2±0.2	1.1±0.2	0.45	0.4	2.6	0.8	1.3	0.4
SQG-1206	3.260.2	1.6±0.2	1.4±0.2	0.60	0.6	3.8	1.6	1.6	0.4

Note:All specifications subject to change without notice.

SURFACE-MOUNT TOROIDAL COILS AND COMMON MODE TOROIDAL CHORES

L-KLS18-STH-01,02,03,04 SERIES



FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and PLace
  Low DC Resistance

OPTIONS:

- Tape and Reel is Standard
- Custom Design Available
- CMC Design Available
- Tolerance:20% is Standard
  Tighter Tolerances Available

COMMON APPLICATIONS:

- Electronic Appliances
- DC – DC Conversion (Paraller Mode)
- Isolation/Coupling(Transformer)
- Input Filter(Serial Mode)
- EMI/RFI Suppression

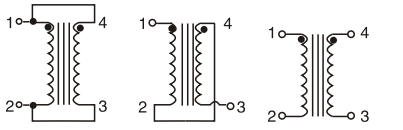
STANDARD SPECIFICATION:

Part Number STH-XX-	Parallel Ratings 01			Parallel Ratings 02			Parallel Ratings 03			Parallel Ratings 04		
	OCL nominal +/−25% (μH)	IDC. A(max)	DCR Ω @20℃	OCL nominal +/−25% (μH)	IDC A(max)	DCR Ω @20℃	OCL nominal +/−25% (μH)	IDC A(max)	DCR Ω @20℃	OCL nominal +/−25% (μH)	IDC A(max)	DCR Ω @20℃
0.33	0.402	10.0	0.0032	0.284	10.9	0.0028	0.368	11.4	0.0027	0.313	12.2	0.0026
0.68	0.752	9.0	0.0039	0.675	9.4	0.0039	0.688	9.3	0.0041	0.744	10.6	0.0034
1.0	1.18	7.26	0.0060	1.26	8.22	0.0050	1.08	8.38	0.0051	1.39	9.23	0.0045
2.0	2.30	5.64	0.010	1.98	6.74	0.0077	2.11	7.26	0.0068	2.18	8.38	0.0054
5.0	4.70	4.27	0.017	5.06	4.34	0.018	5.20	5.24	0.013	4.26	7.21	0.0073
8.0	7.94	3.37	0.028	7.90	3.50	0.027	8.43	4.23	0.020	8.70	5.49	0.013
10.0	10.58	2.84	0.039	11.38	2.89	0.040	9.68	3.64	0.027	10.53	4.67	0.017
15.0	15.23	2.07	0.075	15.48	2.69	0.046	15.52	3.25	0.033	14.70	3.87	0.025
20.0	20.73	1.71	0.109	20.22	2.24	0.067	20.81	2.43	0.061	19.58	3.62	0.029
25.0	24.86	1.46	0.148	25.60	1.89	0.095	24.77	2.34	0.065	25.14	3.02	0.041
33.0	34.26	1.22	0.213	34.84	1.56	0.138	33.71	1.93	0.096	34.80	2.49	0.061
50.0	51.18	0.99	0.327	49.38	1.28	0.206	49.71	1.56	0.147	50.11	2.05	0.089
68.0	67.87	0.92	0.375	66.44	1.07	0.293	68.80	1.28	0.217	68.21	1.70	0.131
100.0	99.45	0.74	0.588	102.38	0.75	0.596	99.07	1.05	0.325	100.57	1.37	0.201
150.0	147.4	0.67	0.713	152.9	0.68	0.722	149.7	0.86	0.489	153.5	1.10	0.313
200.0	198.6	0.62	0.825	197.5	0.64	0.814	198.8	0.71	0.711	200.4	0.92	0.447
300.0	300.8	0.56	1.012	303.7	0.58	1.006	296.2	0.56	1.122	302.8	0.75	0.675

PHYSICAL CHARACTERISTICS

DIMENSIONS:INCHES

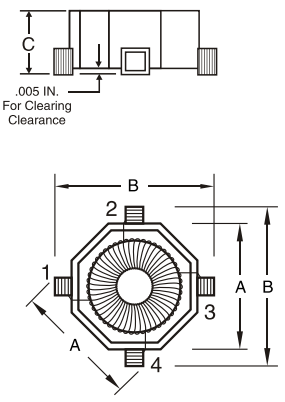
CONNECTION DIAGRAMS



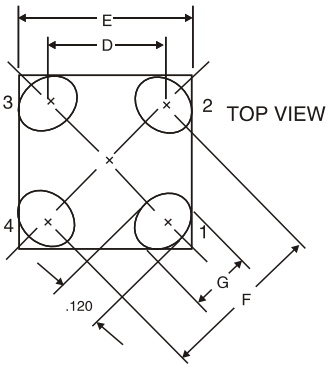
Case Size	A	B	C	D	E	F	G
STH-01	.350	.450	.165	.277	.422	.392	.145
STH-02	.350	.450	.235	.277	.422	.392	.145
STH-03	.450	.550	.190	.348	.492	.492	.160
STH-04	.450	.550	.250	.348	.492	.492	.160

Dimensions in inches,typical

MECHANICAL DIAGRAM



RECOMENDED LAYOUT



TECHNICAL INFORMATION:

Inductance measure at 100KHz 0.1VRms.
Insulation Resistance: 100Vdc 1KMΩmin.
Turns Ratio: 1.1 ± 0%
RDC:QuadTech 1880 Milliohmmeter
Soldering temperature:260℃ for 4 ± 1 seconds
Operating temperature:–40℃ to +125℃
Storage Temperature: –55℃ to +125℃
Different package available per special request
Max of 35% saturation on DC bias applied

Note:All specifications subject to change without notice.

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SURFACE–MOUNT TOROIDAL CHOKES

L-KLS18-STH-05,06P, SERIES

FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and PLace
  Low DC Resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Electronic Appliances
- DC – DC Conversion (Paraller Mode)
- Isolation/Coupling(Transformer)
- Input Filter(Serial Mode)
- EMI/RFI Suppression

ELECTRICAL CHARACTERISTICS:

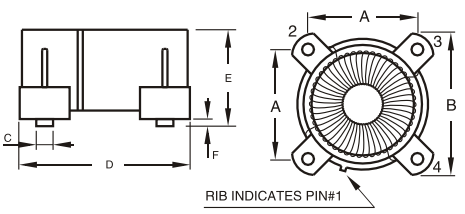
POWDERED IRON CORE				MPP ALLOY CORE			
Part Number	L (μH)	DCR (Ω) Max	IDC (A) Max	Part Number	L (μH)	DCR (Ω) Max	IDC (A) Max
STH-05-R47M	0.47	0.005	7.90	STH-06P-R47M	0.47	0.004	7.90
STH-05-R68M	0.68	0.006	7.20	STH-06P-R68M	0.68	0.005	7.00
STH-05-1R0M	1.00	0.009	5.90	STH-06P-1R0M	1.00	0.006	6.50
STH-05-2R0M	2.00	0.014	4.60	STH-06P-2R0M	2.00	0.007	5.90
STH-05-5R0M	5.00	0.027	3.30	STH-06P-5R0M	5.00	0.014	4.40
STH-05-8R0M	8.00	0.033	3.00	STH-06P-8R0M	8.00	0.019	3.50
STH-05-100M	10.0	0.047	2.50	STH-06P-100M	10.0	0.020	3.40
STH-05-150M	15.0	0.057	2.30	STH-06P-150M	15.0	0.024	3.00
STH-05-200M	20.0	0.085	1.90	STH-06P-200M	20.0	0.055	2.10
STH-05-250M	25.0	0.116	1.60	STH-06P-250M	25.0	0.064	2.00
STH-05-330M	33.0	0.166	1.30	STH-06P-330M	33.0	0.072	1.80
STH-05-500M	50.0	0.202	1.20	STH-06P-500M	50.0	0.111	1.50
STH-05-680M	68.0	0.238	1.10	STH-06P-680M	68.0	0.158	1.20
STH-05-101M	100	0.565	0.72	STH-06P-101M	100	0.303	0.92
STH-05-151M	150	0.696	0.64	STH-06P-151M	150	0.372	0.82
STH-05-201M	200	0.810	0.60	STH-06P-201M	200	0.545	0.64
STH-05-301M	300	1.003	0.54	STH-06P-301M	300	0.672	0.62

Note:1. K=±10%,M=±20%,N=±30%

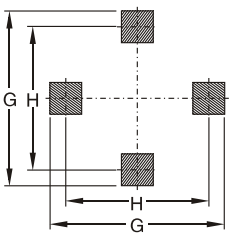
TECHNICAL INFORMATION:

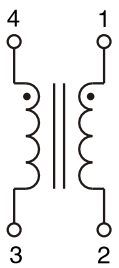
- Testing: (Equivalent acceptable)
  Inductance:Reduced by 10% to 20%@ IDC
- RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Lowers inductance by 10–20%
- Temperature range: –55℃ to +125℃

PHYSICAL CHARACTERISTICS:



LAND PATTERNS





DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G	H
STH-05	7.00±0.25	9.14±0.25	1.52±0.25	8.90±0.25	5.08±0.25	1.02Max	12.7	10.3
STH-06P	10.2±0.25	13.5±0.25	3.20±0.25	12.4±0.25	7.87Max	1.02Max	17.4	14.35

Note:All specifications subject to change without notice.

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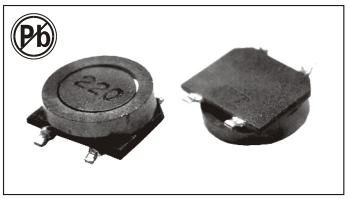
SURFACE–MOUNT WIRE WOUND DUAL CHIP INDUCTORS

L-KLS18-SRP-0602D,1205D SERIES



FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and PLace
  Low DC Resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Electronic Appliances
- DC – DC Conversion (Paraller Mode)
- Isolation/Coupling(Transformer)
- Input Filter(Serial Mode)
- EMI/RFI Suppression

ELECTRICAL CHARACTERISTICS:

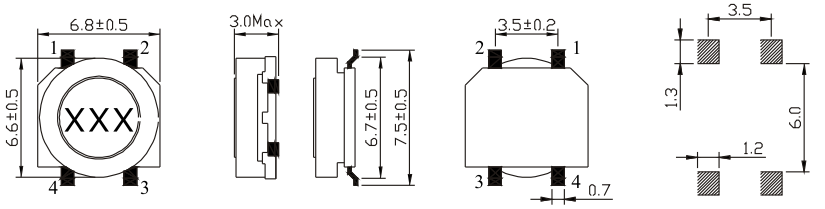
Part Number	L μH 1KHz	DCR (Ω) Max	IDC (mA) Max	Circuit Fig
SRP-0602D-100M	10	0.200	700	2
SRP-0602D-120M	12	0.220	616	2
SRP-0602D-150M	15	0.291	572	2
SRP-0602D-180M	18	0.307	524	2
SRP-0602D-220M	22	0.355	468	2
SRP-0602D-270M	27	0.412	432	1
SRP-0602D-330M	33	0.456	392	1
SRP-0602D-390M	39	0.580	372	1
SRP-0602D-470M	47	0.671	340	1
SRP-0602D-560M	56	0.735	284	1
SRP-0602D-680M	68	0.981	276	1
SRP-0602D-820M	82	1.11	256	1
SRP-0602D-101M	100	1.25	228	1
SRP-0602D-121M	120	1.40	208	1
SRP-0602D-151M	150	1.85	188	1
SRP-0602D-181M	180	2.11	168	1
SRP-0602D-221M	220	2.54	160	1
SRP-0602D-271M	270	4.13	144	2
SRP-0602D-331M	330	4.35	128	2
SRP-0602D-391M	390	4.86	120	2
SRP-0602D-471M	470	6.64	104	1
SRP-0602D-561M	560	7.25	96	1
SRP-0602D-681M	680	8.18	88	1
SRP-0602D-821M	820	9.68	80	1
SRP- 0602D-102M	1000	15.4	72	1

Part Number	L μH 1KHz	DCR (Ω) Max	IDC (A) Max	Circuit Fig
SRP-1205D-100M	10	0.025	4.00	2
SRP-1205D-120M	12	0.027	3.50	2
SRP-1205D-150M	15	0.030	3.30	2
SRP-1205D-180M	18	0.030	3.00	2
SRP-1205D-220M	22	0.036	2.80	2
SRP-1205D-270M	27	0.051	2.30	2
SRP-1205D-330M	33	0.057	2.10	2
SRP-1205D-390M	39	0.068	2.00	2
SRP-1205D-470M	47	0.075	1.80	2
SRP-1205D-560M	56	0.11	1.70	2
SRP-1205D-680M	68	0.12	1.50	2
SRP-1205D-820M	82	0.14	1.40	2
SRP-1205D-101M	100	0.16	1.30	2
SRP-1205D-121M	120	0.17	1.10	2
SRP-1205D-151M	150	0.23	1.00	2
SRP-1205D-181M	180	0.29	0.90	2
SRP-1205D-221M	220	0.40	0.80	2
SRP-1205D-271M	270	0.46	0.75	2
SRP-1205D-331M	330	0.51	0.68	2
SRP-1205D-391M	390	0.69	0.65	2
SRP-1205D-471M	470	0.77	0.58	2
SRP-1205D-561M	560	0.86	0.54	2
SRP-1205D-681M	680	1.20	0.48	2
SRP-1205D-821M	820	1.34	0.43	2
SRP-1205D-102M	1000	1.53	0.40	2

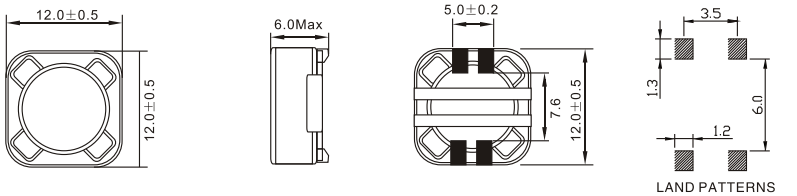
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

SRP-0602D



SRP-1205D



- Testing: (Equivalent acceptable)
  Inductance:Reduced by 10% to 20%@ IDC
- RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Lowers inductance by 10–20%
- Temperature range: –55℃ to +125℃

Note:All specifications subject to change without notice.

Circuit:

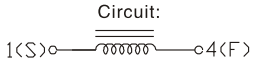


Fig.1

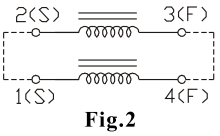


Fig.2

DIMENSIONS IN:mm

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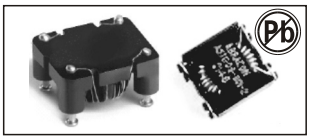


SURFACE–MOUNT TOROIDAL COMMON MODE CHOKES

L-KLS18-SQH01-06 SERIES

FEATURES:

- Toroid core
- SMD construction
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:20% is standard, tighter tolerances available

COMMON APPLICATIONS:

- DC/DC, AC/DC converter
- Filter and Noise suppression
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Network Systems
- Computer Peripheral Equipment

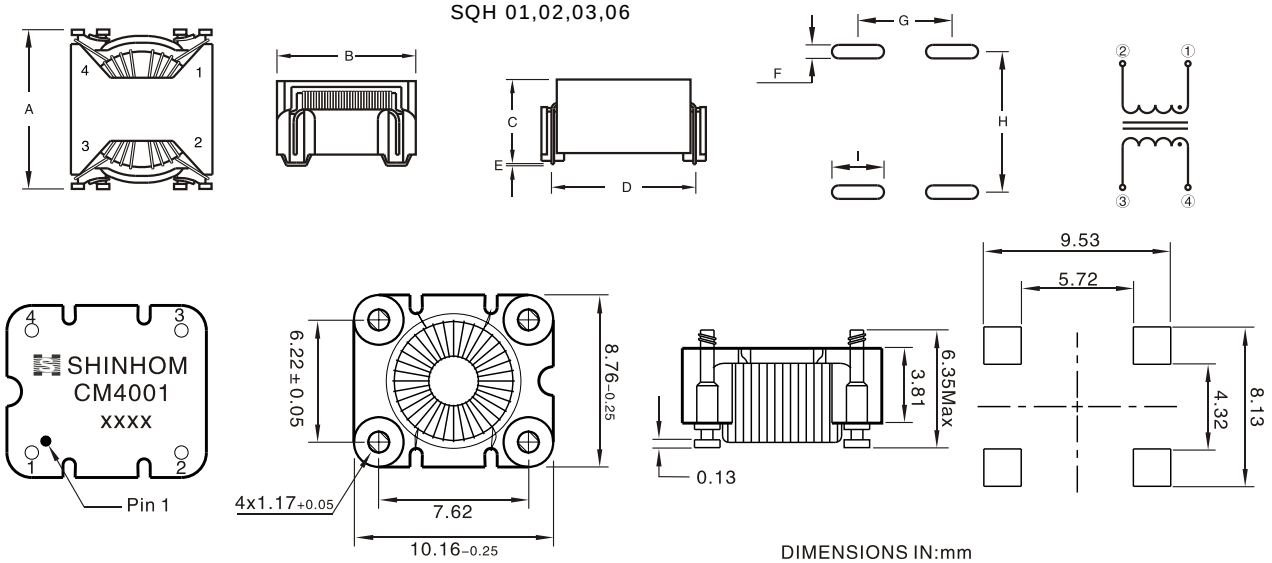
ELECTRICAL CHARACTERISTICS:

Part Number	L mH	Test Freq KHz	DCR (Ω) Max	IDC (A) Max
SQH01-01-102Y	1.00	10	0.060	1.5
SQH01-01-103Y	10.00	10	0.450	1.0
SQH01-01-223Y	22.00	10	0.850	0.50
SQH01-02-102Y	1.00	10	0.050	3.60
SQH01-02-302Y	3.00	10	0.080	2.50
SQH01-03-221Y	0.225	10	0.060	3.30
SQH01-03-801Y	0.768	10	0.040	4.70
SQH01-03-132Y	1.320	10	0.060	3.30
SQH01-03-591Y	0.590	10	0.020	5.60
SQH01-03-162Y	1.590	10	0.080	2.80
SQH01-06-122Y	1.170	10	0.220	1.22
SQH01-06-881Y	0.884	10	0.110	1.63

Note:1. K= ± 10%,M= ± 20%,Y=25%,N= ± 30%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

SQH 01,02,03,06



DIMENSIONS IN:mm

- IDC Max:Determined when superimposed
- Inductance test: :HP4284A 10KHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

Part number	A	B	C	D	E	F	G	H	I
SQH01-01	16.0Typ	14.0Typ	7.87	13.46	0.63	1.52	8.63	13.46	4.5
SQH01-02	19.0Typ	16.5Typ	8.89	16.76	0.63	1.52	11.3	16.76	4.5
SQH01-03	19.0Typ	16.5Typ	8.89	16.76	0.63	1.52	11.3	16.76	4.5
SQH01-06	12.2Typ	13.7Typ	6.35	8.38	0.63	1.52	8.38	10.40	4.5

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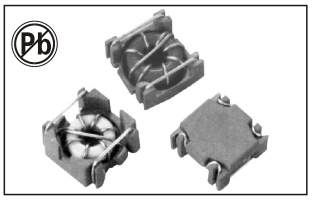
SURFACE–MOUNT TOROID CHOKES

L-KLS18-STI30-38 SERIES



FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and PLace
  Low DC Resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Electronic Appliances
- DC – DC Conversion (Paraller Mode)
- Isolation/Coupling(Transformer)
- Input Filter(Serial Mode)
- EMI/RFI Suppression

ELECTRICAL CHARACTERISTICS:

Part Number	L μH 100KHz	SRF MHz TYP	DCR (mΩ) Max	IDC (A) Max
STI30-8/90-1R8M	1.8	140	12.0	12
STI30-8/90-3R3M	3.3	110	19.9	10
STI30-8/90-6R8M	6.8	55	47.2	6.5
STI30-8/90-220M	22	15	166	3.5
STI30-8/90-101M	100	5.0	640	1.6
STI30-18-2R7M	2.7	125	12.0	7.5
STI30-18-5R2M	5.2	102	19.9	5.4
STI30-18-120M	12	52	47.2	3.5
STI30-18-350M	35	12	166	2.0
STI30-18-171M	170	4.0	640	0.95
STI30-52-3R6M	3.6	150	12.0	5.0
STI30-52-6R8M	6.8	110	19.9	3.7
STI30-52-150M	15	45	47.2	2.5
STI30-52-470M	47	14	166	1.4
STI30-52-221M	220	4.2	640	0.64
STI30-6R0M	6.0	95	12.0	4.6
STI30-120M	12	75	19.9	3.4
STI30-220M	22	50	47.2	2.4
STI30-820M	82	10	166	1.3
STI30-391M	390	3	640	0.60

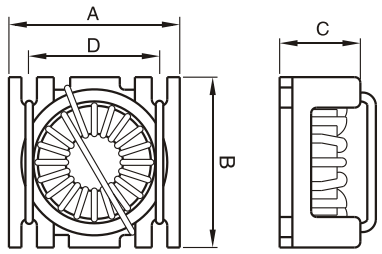
Part Number	L μH 100KHz	SRF MHz TYP	DCR (mΩ) Max	IDC (A) Max
STI38-8/90-1R5M	1.5	133	9.3	18
STI38-8/90-3R3M	3.3	73	18.7	12
STI38-8/90-8R2M	8.2	24	63	7.5
STI38-8/90-270M	27	12	290	4.0
STI38-8/90-101M	100	4.0	657	8.8
STI38-18-3R8M	3.8	133	9.3	5.8
STI38-18-7R5M	7.5	73	18.7	3.5
STI38-18-220M	22	34	63	2.0
STI38-18-730M	73	5.0	290	0.98
STI38-18-291M	290	2.0	657	6.5
STI38-52-4R7M	4.7	133	9.3	4.4
STI38-52-100M	10	62	18.7	2.4
STI38-52-330M	33	25	63	1.4
STI38-52-101M	100	5.0	290	0.71
STI38-52-391M	390	133	657	6.2
STI38-6R8M	6.8	58	9.3	4.2
STI38-150M	15	18	18.7	2.6
STI38-390M	39	4.0	63	1.6
STI38-121M	120	1.2	290	0.74
STI38-121M	470	1.8	657	2.1

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

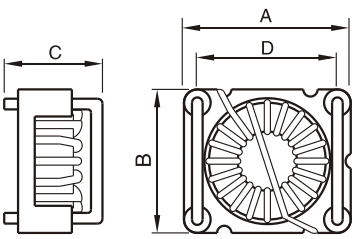
TECHNICAL INFORMATION:

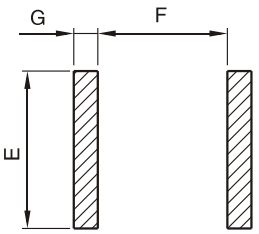
PHYSICAL CHARACTERISTICS:

Package A



Package B





LAND PATTERNS

- IDC Max:Determined when superimposed
- Inductance test: HP4284A 10KHz 0.1V
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G
STI30	11.05Max	11.18Max	9.50Max	8.89	10.16	9.14	1.52
STI38	14.22Max	14.35Max	9.50Max	11.43	13.21	11.68	1.52

Note:All specifications subject to change without notice.

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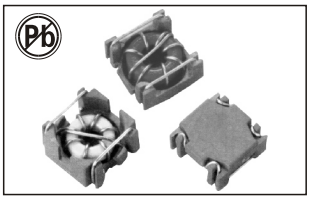


SURFACE–MOUNT TOROID CHOKES

L-KLS18-STI44-50 SERIES

FEATURES:

- Higher Frequency
- High Saturation Material
- Low EMI Radiation
- Pick and PLace
  Low DC Resistance

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Electronic Appliances
- DC – DC Conversion (Paraller Mode)
- Isolation/Coupling(Transformer)
- Input Filter(Serial Mode)
- EMI/RFI Suppression

ELECTRICAL CHARACTERISTICS:

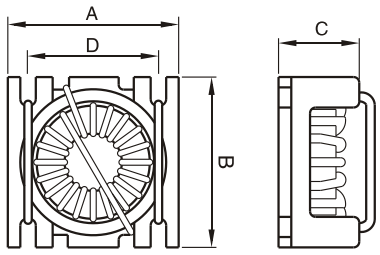
Part Number	L μH 100KHz	SRF MHz TYP	DCR mΩ Max	IDC A Max
STI44-8/90-5R6M	5.6	65	16.2	11.0
STI44-8/90-100M	10.0	40	23.6	9.0
STI44-8/90-150M	15.0	25	39.0	7.4
STI44-8/90-270M	27.0	12	85.0	5.4
STI44-8/90-681M	680	1.4	1908	1.0
STI44-18-7R9M	7.9	49	16.2	6.6
STI44-18-140M	14.0	33	23.6	5.2
STI44-18-220M	22.0	23	39.0	4.1
STI44-18-410M	41.0	9.5	85.0	3.0
STI44-18-112M	1100	12	1908	0.58
STI44-52-120M	12	62	16.2	4.5
STI44-52-180M	18	35	23.6	3.5
STI44-52-270M	27	26	39.0	2.8
STI44-52-560M	56	9.0	85.0	2.0
STI44-52-152M	1500	0.85	1908	0.39
STI44-M125-180M	18	49	16.2	4.3
STI44-M125-270M	27	33	23.6	3.4
STI44-M125-470M	47	23	39.0	2.6
STI44-M125-101M	100	7.5	85.0	1.8
STI44-M125-222M	2200	0.60	1908	0.38

Part Number	L μH 100KHz	SRF MHz TYP	DCR mΩ Max	IDC A Max
STI50-8/90-100M	10	35	19.7	9.0
STI50-8/90-150M	15	27	32	7.5
STI50-8/90-470M	47	7.0	133	4.3
STI50-8/90-101M	100	3.8	220	2.9
STI50-8/90-152M	1500	0.72	1932	0.76
STI50-18-160M	16	24	19.7	5.4
STI50-18-260M	26	11	32	4.3
STI50-18-730M	73	4.5	133	2.5
STI50-18-151M	150	2.6	220	1.8
STI50-18-202M	2000	0.60	1932	0.50
STI50-18-180M	18	35	19.7	4.4
STI50-18-270M	27	27	32	3.6
STI50-18-101M	100	5.2	133	1.9
STI50-18-221M	220	2.2	220	1.3
STI50-18-272M	2700	0.50	1932	0.37
STI50-M125-330M	33	19	19.7	3.5
STI50-M125-470M	47	16	32	2.8
STI50-M125-151M	150	3.6	133	1.6
STI50-M125-331M	330	2.0	220	1.2
STI50-M125-472M	4700	0.45	1932	0.31

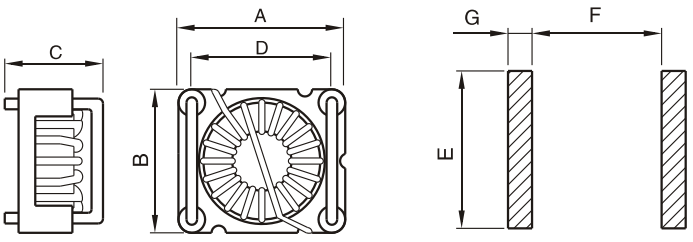
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

Package A



Package B



LAND PATTERNS

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

PHYSICAL CHARACTERISTICS:

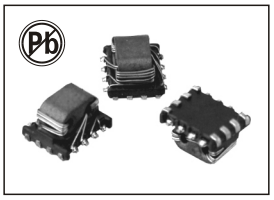
DIMENSIONS IN:mm

Part number	A	B	C	D	E	F	G
STI44	14.99Max	15.62Max	10.50Max	12.70	13.97	12.95	1.52
STI50	17.02Max	17.78Max	10.50Max	14.73	15.75	14.99	1.52

Note:All specifications subject to change without notice.

SURFACE–MOUNT COMMON MODE CHOKES

L-KLS18-SCM09-10 SERIES



FEATURES:

- LCP Base
- High Frequency Design
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Datalline Noise Suppression
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

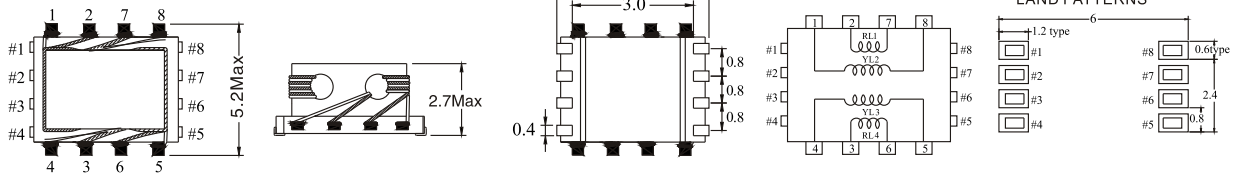
Part Number	Insertion Loss(dB)				DCR Ω Max	IDC A Max	Impedance (Typical)	Wistanding Voltage (CH-901)
	50MHz	100MHz	300MHz	500MHz				
SCM09-1394A	2.8±2.0	7.3±2.5	12.0±3.0	14.0±3.0	0.3	0.65	220Ω@100MHz	50VDC
SCM10-121	1.3±0.5	4.0±1.5	8.0±2.0	11.0±3.0	0.3	0.65	120Ω@100MHz	100VAC
SCM10-151	2.5±1.0	3.0±1.5	4.0±2.0	5.0±3.0	0.3	0.30	150Ω@100MHz	100VAC
SCM10-161	3.0±1.0	8.0±2.0	13.0±2.5	15.0±3.0	0.3	0.30	160Ω@100MHz	100VAC
SCM10-221	2.0±1.0	6.0±2.0	12.0±2.5	14.0±3.0	0.12	0.65	220Ω@100MHz	100VAC

Note:1. K=±10%,M=±20%,N=±30%

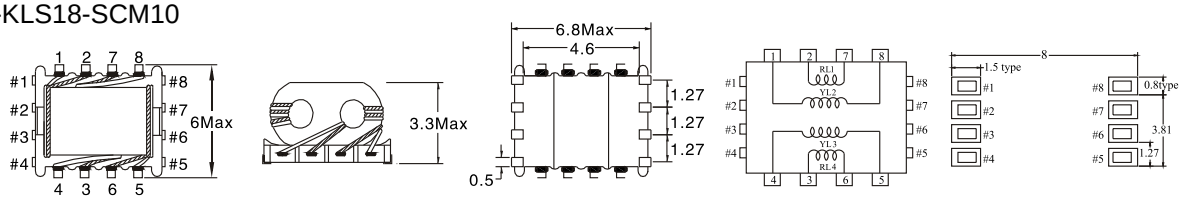
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm

L-KLS18-SCM09



L-KLS18-SCM10



- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

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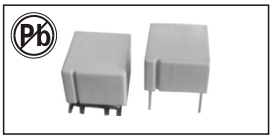


SURFACE–MOUNT TOROIDAL COMMON MODE CHOKES

L-KLS18-PSTR/STTR1206, SERIES

FEATURES:

- SMD Housing
- High Frequency Design
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

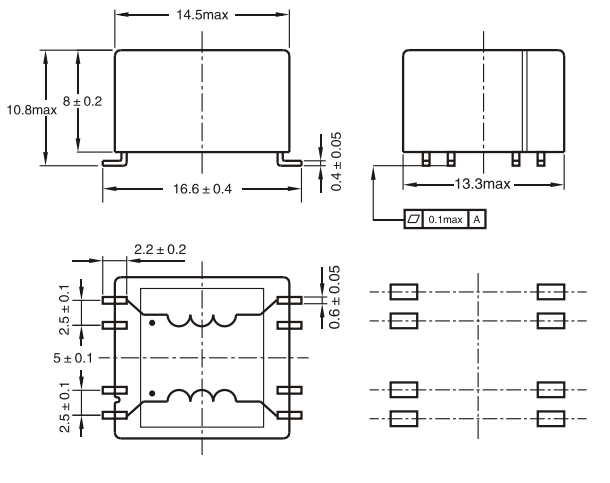
Part Number	L mH	Test Freq KHz	DCR Ω Max	IDC A Max	Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC A Max
PSTR1206-123Y	12.0	1	1.15	0.3	SSTR1206-123Y	12.0	1	1.15	0.3
PSTR1206-442Y	4.4	1	0.43	0.6	SSTR1206-442Y	4.4	1	0.43	0.6
PSTR1206-302Y	3.0	1	0.23	1.0	SSTR1206-302Y	3.0	1	0.23	1.0
PSTR1206-112Y	1.1	1	0.07	2.0	SSTR1206-112Y	1.1	1	0.07	2.0
PSTR1206-102Y	1.0	1	0.82	0.5					
PSTR1206-501Y	0.5	1	0.45	0.6					
PSTR1206-221Y	0.22	1	0.22	0.8					
PSTR1206-151Y	0.15	1	0.15	1.0					

Note: Y Min

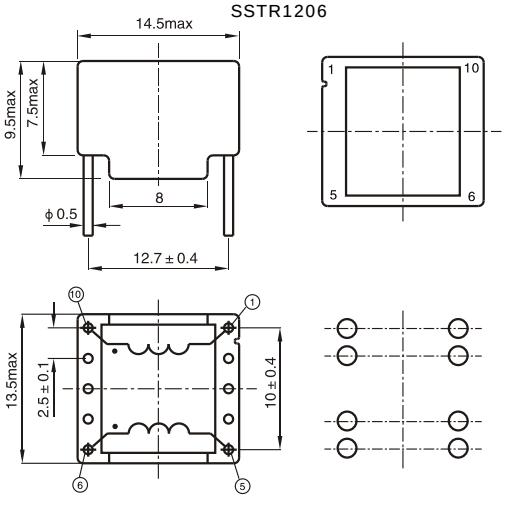
TECHNICAL INFORMATION:

PHYSICAL CHARACTERISTICS:

PSTR1206



SSTR1206



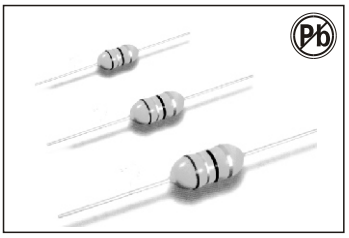
DIMENSIONS:mm
Unless otherwise specified all tolerances are 60.25

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notice.

THROUGH–HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC18 SERIES



FEATURES:

- Magnetic Core
- Wire–wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

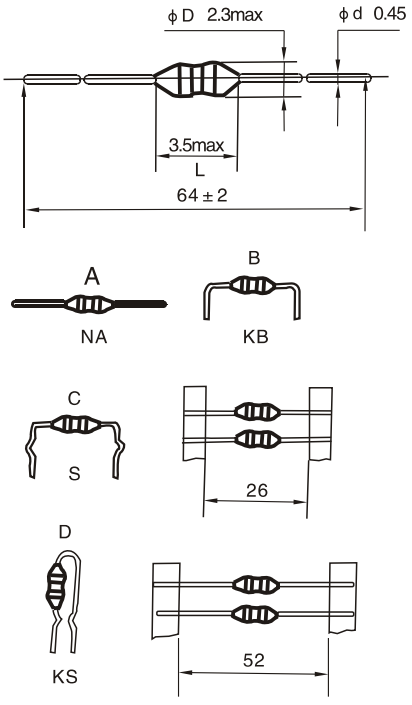
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC18-R22K	0.22	20	35	25.2	150	0.40	400
EC18-R27K	0.27	20	35	25.2	150	0.43	380
EC18-R33K	0.33	20	35	25.2	150	0.48	370
EC18-R39K	0.39	20	35	25.2	150	0.51	350
EC18-R47K	0.47	20	35	25.2	150	0.56	330
EC18-R56K	0.56	20	35	25.2	150	0.61	320
EC18-R68K	0.68	20	35	25.2	150	0.67	310
EC18-R82K	0.82	20	35	25.2	150	0.74	290
EC18-1R0K	1.0	20	35	25.2	150	0.80	270
EC18-1R2K	1.2	20	40	7.96	110	0.90	260
EC18-1R5K	1.5	20	40	7.96	80	1.0	250
EC18-1R8K	1.8	20	40	7.96	60	1.1	240
EC18-2R2K	2.2	20	40	7.96	45	1.2	230
EC18-2R7K	2.7	20	40	7.96	40	1.3	220
EC18-3R3K	3.3	10	40	7.96	38	1.4	210
EC18-3R9K	3.9	10	40	7.96	35	1.5	200
EC18-4R7K	4.7	10	40	7.96	32	1.6	190
EC18-5R6K	5.6	10	40	7.96	30	1.7	180
EC18-6R8K	6.8	10	40	7.96	28	1.9	175
EC18-8R2K	8.2	10	40	7.96	26	2.0	165
EC18-100K	10	10	40	7.96	24	2.2	160
EC18-120K	12	10	40	25.2	22	2.5	150
EC18-150K	15	10	40	25.2	20	2.8	145
EC18-180K	18	10	40	25.2	18	3.1	140
EC18-220K	22	10	40	25.2	17	3.4	130
EC18-270K	27	10	40	25.2	16	4.3	80
EC18-330K	33	10	40	25.2	14	4.7	76
EC18-390K	39	10	40	25.2	13	5.2	74
EC18-470K	47	10	40	25.2	12	5.8	70
EC18-560K	56	10	40	25.2	11	6.4	68
EC18-680K	68	10	40	25.2	10	7.2	64
EC18-820K	82	10	40	25.2	9.5	11	46
EC18-101K	100	10	40	25.2	9	12	44
EC18-121K	120	10	40	0.796	8	13	42
EC18-151K	150	10	40	0.796	6	16	39
EC18-181K	180	10	40	0.796	5.5	18	37
EC18-221K	220	10	40	0.796	5	20	35
EC18-271K	220	10	40	0.796	4.6	26	28
EC18-331K	220	10	40	0.796	4.2	30	26
EC18-391K	220	10	40	0.796	3.8	34	25
EC18-471K	220	10	40	0.796	3.5	38	24

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance–Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP 4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

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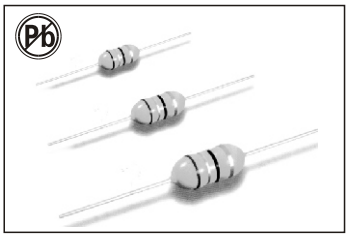


THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC22 SERIES

FEATURES:

- Ferrite Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

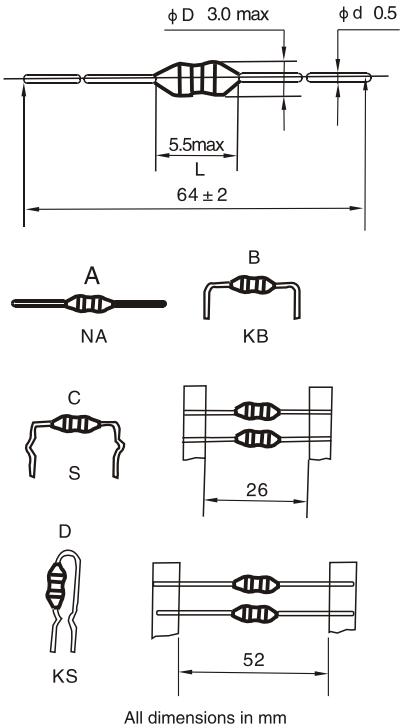
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

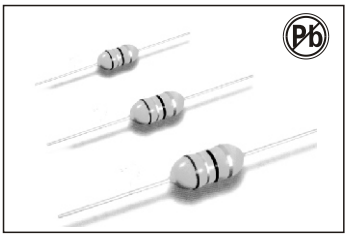
STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC22-R22K	0.22	20	35	25.2	150	0.40	400
EC22-R27K	0.27	20	35	25.2	150	0.43	380
EC22-R33K	0.33	20	35	25.2	150	0.48	370
EC22-R39K	0.39	20	35	25.2	150	0.51	350
EC22-R47K	0.47	20	35	25.2	150	0.56	330
EC22-R56K	0.56	20	40	25.2	150	0.61	320
EC22-R68K	0.68	20	40	25.2	150	0.67	310
EC22-R82K	0.82	20	40	25.2	150	0.74	290
EC22-1R0K	1.0	20	40	25.2	150	0.80	270
EC22-1R2K	1.2	20	50	7.96	144	0.90	260
EC22-1R5K	1.5	20	50	7.96	131	1.0	250
EC22-1R8K	1.8	20	50	7.96	121	1.1	240
EC22-2R2K	2.2	20	50	7.96	110	1.2	230
EC22-2R7K	2.7	20	50	7.96	100	1.3	220
EC22-3R3K	3.3	10	50	7.96	90	1.4	210
EC22-3R9K	3.9	10	50	7.96	60	1.6	200
EC22-4R7K	4.7	10	50	7.96	50	1.7	190
EC22-5R6K	5.6	10	50	7.96	42	1.9	180
EC22-6R8K	6.8	10	50	7.96	34	2.0	175
EC22-8R2K	8.2	10	50	7.96	25	2.2	165
EC22-100K	10	10	50	7.96	21	2.5	160
EC22-120K	12	10	50	25.2	19	2.5	150
EC22-150K	15	10	50	25.2	17	2.8	145
EC22-180K	18	10	50	25.2	13	3.1	140
EC22-220K	22	10	50	25.2	9.6	3.4	130
EC22-270K	27	10	50	25.2	7.2	3.8	125
EC22-330K	33	10	50	25.2	6.3	4.1	120
EC22-390K	39	10	50	25.2	6.3	4.5	115
EC22-470K	47	10	50	25.2	6.3	4.9	110
EC22-560K	56	10	50	25.2	6.2	5.3	105
EC22-680K	68	10	50	25.2	5.7	5.8	100
EC22-820K	82	10	50	25.2	5.3	6.3	95
EC22-101K	100	10	50	25.2	4.8	7.0	90
EC22-121K	120	10	50	0.796	3.8	13.0	90
EC22-151K	150	10	50	0.796	3.5	15.0	85
EC22-181K	180	10	50	0.796	3.3	16.0	80
EC22-221K	220	10	50	0.796	3.0	17.0	75
EC22-271K	270	10	50	0.796	2.8	19.0	65

Note:1. K=±10%,M=±20%

THROUGH–HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC24 SERIES



FEATURES:

- Magnetic Core
- Wire–wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

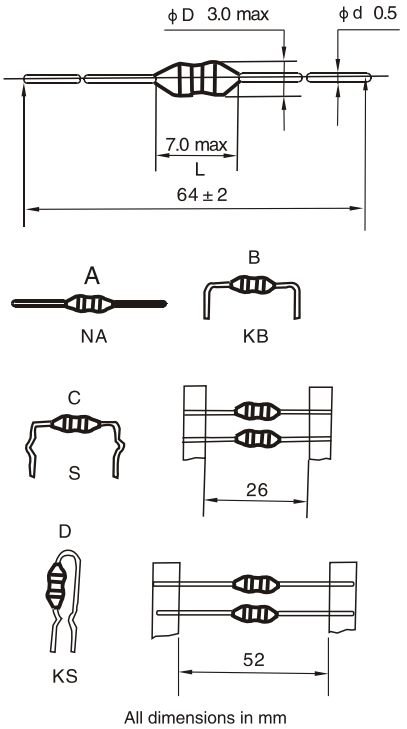
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC24-R22K	0.22	20	35	25.2	150	0.40	400
EC24-R27K	0.27	20	35	25.2	150	0.43	380
EC24-R33K	0.33	20	35	25.2	150	0.48	370
EC24-R39K	0.39	20	35	25.2	150	0.51	350
EC24-R47K	0.47	20	35	25.2	150	0.56	330
EC24-R56K	0.56	20	40	25.2	150	0.61	320
EC24-R68K	0.68	20	40	25.2	150	0.67	310
EC24-R82K	0.82	20	40	25.2	150	0.74	290
EC24-1R0K	1.0	20	40	25.2	150	0.80	270
EC24-1R2K	1.2	20	50	7.96	144	0.90	260
EC24-1R5K	1.5	20	50	7.96	131	1.0	250
EC24-1R8K	1.8	20	50	7.96	121	1.1	240
EC24-2R2K	2.2	20	50	7.96	110	1.2	230
EC24-2R7K	2.7	20	50	7.96	100	1.3	220
EC24-3R3K	3.3	10	50	7.96	94	1.4	210
EC24-3R9K	3.9	10	50	7.96	65	1.6	200
EC24-4R7K	4.7	10	50	7.96	56	1.7	190
EC24-5R6K	5.6	10	50	7.96	48	1.9	180
EC24-6R8K	6.8	10	50	7.96	37	2.0	175
EC24-8R2K	8.2	10	50	7.96	25	2.2	165
EC24-100K	10	10	50	7.96	21	2.5	160
EC24-120K	12	10	50	2.52	19	2.5	150
EC24-150K	15	10	50	2.52	17	2.8	145
EC24-180K	18	10	50	2.52	13	3.1	140
EC24-220K	22	10	50	2.52	9.6	3.4	130
EC24-270K	27	10	50	2.52	7.2	3.8	125
EC24-330K	33	10	50	2.52	6.3	4.1	120
EC24-390K	39	10	50	2.52	6.3	4.5	115
EC24-470K	47	10	50	2.52	6.3	4.9	110
EC24-560K	56	10	50	2.52	6.2	5.3	105
EC24-680K	68	10	50	2.52	5.7	5.8	100
EC24-820K	82	10	50	2.52	5.3	6.3	95
EC24-101K	100	10	50	2.52	4.8	7.0	90
EC24-121K	120	10	50	0.796	3.8	13.0	90
EC24-151K	150	10	50	0.796	3.5	15.0	85
EC24-181K	180	10	50	0.796	3.3	16.0	80
EC24-221K	220	10	50	0.796	3.0	17.0	75
EC24-271K	270	10	50	0.796	2.8	19.0	65
EC24-331K	330	10	50	0.796	2.6	20.0	60
EC24-391K	390	10	50	0.796	2.4	22.0	55
EC24-471K	470	10	50	0.796	2.25	24.0	55
EC24-561K	560	10	50	0.796	2.10	26.0	50
EC24-681K	680	10	50	0.796	1.95	28.0	45
EC24-821K	820	10	50	0.796	1.85	30.0	40
EC24-102K	1000	10	50	0.796	1.40	33.0	40

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance–Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP 4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

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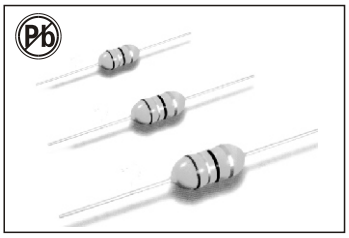


THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC36 SERIES

FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

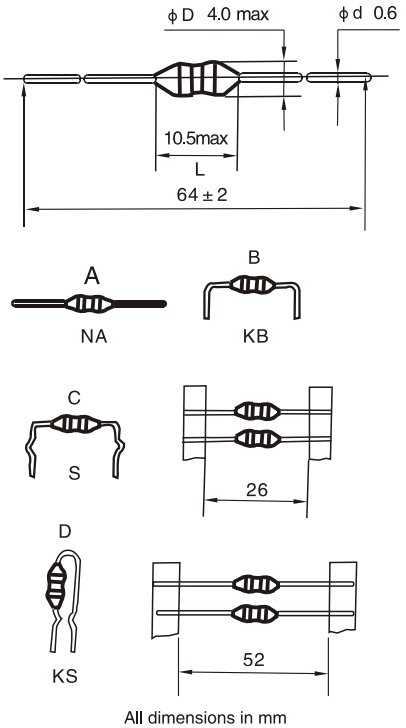
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

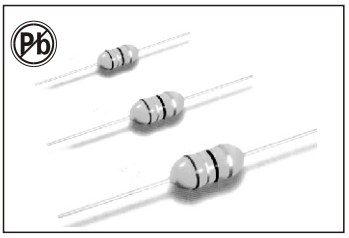
STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC36-R22K	0.22	20	45	25.2	300	0.10	1400
EC36-R27K	0.27	20	45	25.2	270	0.11	1320
EC36-R33K	0.33	20	45	25.2	250	0.12	1280
EC36-R39K	0.39	20	45	25.2	230	0.13	1200
EC36-R47K	0.47	20	45	25.2	220	0.14	1150
EC36-R56K	0.56	20	45	25.2	200	0.15	1100
EC36-R68K	0.68	20	45	25.2	190	0.16	1030
EC36-R82K	0.82	20	45	25.2	172	0.17	980
EC36-1R0K	1.0	20	45	25.2	157	0.19	920
EC36-1R2K	1.2	20	50	7.96	144	0.21	880
EC36-1R5K	1.5	20	50	7.96	131	0.23	830
EC36-1R8K	1.8	20	55	7.96	121	0.25	790
EC36-2R2K	2.2	20	55	7.96	110	0.28	750
EC36-2R7K	2.7	20	60	7.96	100	0.30	720
EC36-3R3K	3.3	10	65	7.96	94	0.34	670
EC36-3R9K	3.9	10	65	7.96	55	0.37	640
EC36-4R7K	4.7	10	70	7.96	56	0.39	620
EC36-5R6K	5.6	10	70	7.96	48	0.43	590
EC36-6R8K	6.8	10	75	7.96	37	0.48	550
EC36-8R2K	8.2	10	80	7.96	25	0.52	530
EC36-100K	10	10	65	7.96	21	0.58	500
EC36-120K	12	10	50	2.52	19	1.63	480
EC36-150K	15	10	50	2.52	17	0.72	460
EC36-180K	18	10	50	2.52	13	0.77	430
EC36-220K	22	10	50	2.52	9.6	0.84	410
EC36-270K	27	10	55	2.52	7.2	0.94	390
EC36-330K	33	10	55	2.52	6.6	1.03	370
EC36-390K	39	10	50	2.52	6.6	1.12	350
EC36-470K	47	10	45	2.52	6.3	1.22	340
EC36-560K	56	10	40	2.52	6.2	1.34	320
EC36-680K	68	10	40	2.52	5.7	1.47	305
EC36-820K	82	10	35	2.52	5.3	1.62	290
EC36-101K	100	10	30	2.52	4.8	1.80	275
EC36-121K	120	10	55	0.796	3.8	3.70	185
EC36-151K	150	10	45	0.796	3.5	4.20	175
EC36-181K	180	10	50	0.796	3.3	4.60	165
EC36-221K	220	10	55	0.796	3.0	5.10	155
EC36-271K	270	10	65	0.796	2.8	5.80	145
EC36-331K	330	10	65	0.796	2.6	6.40	137
EC36-391K	390	10	65	0.796	2.4	7.00	133
EC36-471K	470	10	60	0.796	2.25	7.70	126
EC36-561K	560	10	60	0.796	2.10	8.50	120
EC36-681K	680	10	55	0.796	1.95	9.40	113
EC36-821K	820	10	55	0.796	1.85	10.5	105
EC36-102K	1000	10	50	0.796	1.40	14.0	100

Note:1. K=±10%,M=±20%

THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC46 SERIES



FEATURES:

- Magnetic Core
- Wire–wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

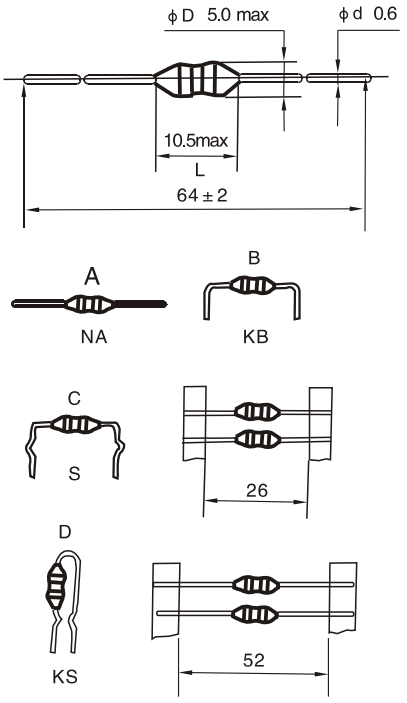
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC46-471K	470	10	60	0.796	1.9	7.70	126
EC46-561K	560	10	50	0.796	1.8	8.50	120
EC46-681K	680	10	55	0.796	1.5	9.00	113
EC46-821K	820	10	45	0.796	1.2	10.5	105
EC46-102K	1000	10	45	0.796	1.0	14.0	100
EC46-122K	1200	10	40	0.252	0.95	16.9	95
EC46-152K	1500	10	40	0.252	0.90	21.6	90
EC46-182K	1800	10	40	0.252	0.85	24.0	85
EC46-222K	2200	10	40	0.252	0.80	34.7	80
EC46-272K	2700	10	40	0.252	0.75	40.0	75
EC46-332K	3300	10	40	0.252	0.70	59.5	62
EC46-392K	3900	10	40	0.252	0.65	66.0	59
EC46-472K	4700	10	40	0.252	0.60	74.0	55
EC46-562K	5600	10	30	0.252	0.50	80.0	40
EC46-682K	6800	10	30	0.252	0.45	85.0	35
EC46-822K	8200	10	30	0.252	0.40	95.0	30
EC46-103K	10000	10	20	0.252	0.35	105.0	25

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance–Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP 4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ± 5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

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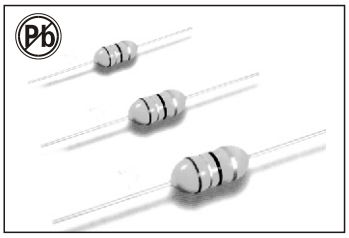


THROUGH–HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC52 SERIES

FEATURES:

- Ferrite Core
- Wire–wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

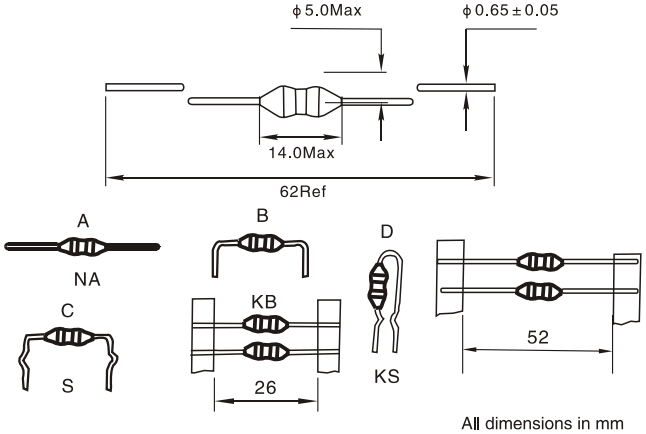
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)	Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
EC52-1R0K	1.0	7.96	10	7.96	300	0.022	3800	EC52-181K	180	0.796	15	0.796	4.0	1.10	400
EC52-1R2K	1.2	7.96	10	7.96	260	0.024	3700	EC52-221K	220	0.796	15	0.796	3.8	1.25	390
EC52-1R5K	1.5	7.96	10	7.96	250	0.026	3600	EC52-271K	270	0.796	15	0.796	3.5	1.85	330
EC52-1R8K	1.8	7.96	10	7.96	240	0.029	3100	EC52-331K	330	0.796	15	0.796	3.0	2.10	310
EC52-2R2K	2.2	7.96	10	7.96	220	0.031	2900	EC52-391K	390	0.796	15	0.796	2.8	2.28	300
EC52-2R7K	2.7	7.96	10	7.96	195	0.034	2700	EC52-471K	470	0.796	15	0.796	2.5	3.22	280
EC52-3R3K	3.3	7.96	10	7.96	155	0.038	2600	EC52-561K	560	0.796	15	0.796	2.2	3.85	270
EC52-3R9K	3.9	7.96	10	7.96	115	0.040	2500	EC52-681K	680	0.796	15	0.796	2.1	4.00	240
EC52-4R7K	4.7	7.96	10	7.96	85	0.044	2400	EC52-821K	820	0.796	15	0.796	2.0	5.00	230
EC52-5R6K	5.6	7.96	10	7.96	55	0.048	2100	EC52-102K	1000	0.796	15	0.796	1.8	5.80	190
EC52-6R8K	6.8	7.96	10	7.96	50	0.051	2000	EC52-122K	1200	0.796	15	0.796	1.6	7.10	180
EC52-8R2K	8.2	7.96	10	7.96	38	0.056	1950	EC52-152K	1500	0.796	15	0.796	1.5	7.8	170
EC52-100K	10	7.96	10	7.96	24	0.062	1900	EC52-182K	1800	0.796	15	0.796	1.3	11.0	150
EC52-120K	12	2.52	10	2.52	18	0.076	1800	EC52-222K	2200	0.796	35	0.796	1.2	14.0	120
EC52-150K	15	2.52	10	2.52	16	0.088	1700	EC52-272K	2700	0.796	35	0.796	1.1	18.0	100
EC52-180K	18	2.52	10	2.52	15	0.11	1600	EC52-332K	3300	0.796	35	0.796	1.0	22.0	80
EC52-220K	22	2.52	10	2.52	14	0.13	1550	EC52-392K	3900	0.252	40	0.252	0.9	26.0	60
EC52-270K	27	2.52	10	2.52	13	0.14	1300	EC52-472K	4700	0.252	50	0.252	0.7	32.0	50
EC52-330K	33	2.52	10	2.52	11	0.20	1200	EC52-562K	5600	0.252	70	0.252	0.6	34.0	40
EC52-390K	39	2.52	10	2.52	10	0.22	1000	EC52-682K	6800	0.252	70	0.252	0.5	45.0	34
EC52-430K	43	2.52	10	2.52	9.5	0.28	950	EC52-822K	8200	0.252	50	0.252	0.4	60.0	30
EC52-470K	47	2.52	10	2.52	9.5	0.28	950	EC52-103K	10000	0.0796	40	0.0796	0.4	70.0	28
EC52-560K	56	2.52	10	2.52	8.0	0.30	900	EC52-123K	12000	0.0796	40	0.0796	0.3	82.0	24
EC52-680K	68	2.52	10	2.52	7.5	0.34	800	EC52-153K	15000	0.0796	40	0.0796	0.3	89.0	22
EC52-820K	82	2.52	10	2.52	7.0	0.385	750	EC52-183K	18000	0.0796	40	0.0796	0.3	141.0	15
EC52-101K	100	2.52	10	2.52	6.5	0.48	700	EC52-223K	22000	0.0796	40	0.0796	0.2	170.0	12
EC52-121K	120	0.796	15	0.796	5.0	0.595	600	EC52-333K	33000	0.0796	40	0.0796	0.2	250.0	8
EC52-151K	150	0.796	15	0.796	4.5	0.90	500								

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

Electronical Schematic

DIMENSIONS in mm

TECHNICAL INFORMATION

- Inductance Testing: HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

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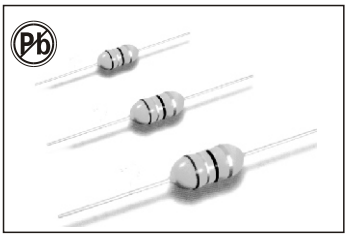
THROUGH-HOLE AXIAL CONFORMAL COATED INDUCTORS

L-KLS18-EC62 SERIES



FEATURES:

- Magnetic Core
- Wire-wound construction
- Heat resistant epoxy resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

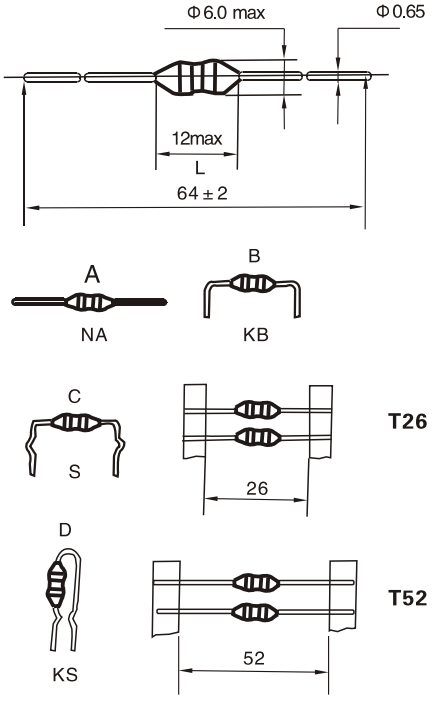
- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
EC62-471K	470	10	50	0.796	2.00	1.90	340
EC62-561K	560	10	50	0.796	1.7	2.05	310
EC62-681K	680	10	50	0.796	1.6	2.30	280
EC62-821K	820	10	50	0.796	1.3	2.94	260
EC62-102K	1000	10	50	0.796	1.0	3.85	230
EC62-122K	1200	10	50	0.252	0.90	5.70	210
EC62-152K	1500	10	50	0.252	0.80	6.75	200
EC62-182K	1800	10	50	0.252	0.70	7.55	160
EC62-222K	2200	10	50	0.252	0.65	8.74	130
EC62-272K	2700	10	50	0.252	0.60	11.4	90
EC62-332K	3300	10	50	0.252	0.58	13.1	86
EC62-392K	3900	10	50	0.252	0.55	17.4	82
EC62-472K	4700	10	50	0.252	0.50	24.8	80
EC62-562K	5600	10	50	0.252	0.45	26.8	76
EC62-682K	6800	10	50	0.252	0.41	31.6	72
EC62-822K	8200	10	40	0.252	0.35	40.8	70
EC62-103K	10000	10	40	0.252	0.30	45.3	60

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



All dimensions in mm

TECHNICAL INFORMATION:

1、Ordering Code

(1) Type
(2) Outside
(3) Body Length
(4) Formed Type
(5) Nominal Inductance
(6) Inductance Tolerance
(7) Tape Type

- Testing:(Equivalent acceptable)
  Inductance-Hp 4285A
  RDC:QuadTech 1880 Milliohmmeter
  Q-HP 4342A
  SRF-HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:-25℃ to +105℃
- Storage temperature:-40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:EIA 4 band color code.

Note: All specifications subject to change without notice.

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THROUGH–HOLE AXIAL CONFORMAL MOLDED INDUCTORS

L-KLS18-PTM0307 SERIES

FEATURES:

- Ferrite Core
- Wire–wound construction
- Heat resistant epoxy molded resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs) Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

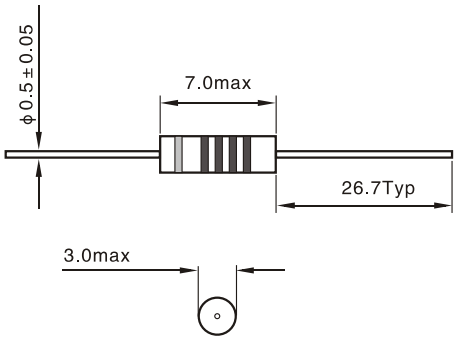
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol ± %	Q min	L Test Freq (MHz)	S.R.F (MHz)	R_{DC} (Ω) Max	I_{DC} (mA)
PTM0307-R22K	0.22	20	35	25.2	150	0.40	400
PTM0307-R27K	0.27	20	35	25.2	150	0.43	380
PTM0307-R33K	0.33	20	35	25.2	150	0.48	370
PTM0307-R39K	0.39	20	35	25.2	150	0.51	350
PTM0307-R47K	0.47	20	35	25.2	150	0.56	330
PTM0307-R56K	0.56	20	40	25.2	150	0.61	320
PTM0307-R68K	0.68	20	40	25.2	150	0.67	310
PTM0307-R82K	0.82	20	40	25.2	150	0.74	290
PTM0307-1R0K	1.0	20	40	25.2	150	0.80	270
PTM0307-1R2K	1.2	20	50	7.96	144	0.90	260
PTM0307-1R5K	1.5	20	50	7.96	131	1.0	250
PTM0307-1R8K	1.8	20	50	7.96	121	1.1	240
PTM0307-2R2K	2.2	20	50	7.96	110	1.2	230
PTM0307-2R7K	2.7	20	50	7.96	100	1.3	220
PTM0307-3R3K	3.3	10	50	7.96	94	1.4	210
PTM0307-3R9K	3.9	10	50	7.96	65	1.6	200
PTM0307-4R7K	4.7	10	50	7.96	56	1.7	190
PTM0307-5R6K	5.6	10	50	7.96	48	1.9	180
PTM0307-6R8K	6.8	10	50	7.96	37	2.0	175
PTM0307-8R2K	8.2	10	50	7.96	25	2.2	165
PTM0307-100K	10	10	50	7.96	21	2.5	160
PTM0307-120K	12	10	50	2.52	19	2.5	150
PTM0307-150K	15	10	50	2.52	17	2.8	145
PTM0307-180K	18	10	50	2.52	13	3.1	140
PTM0307-220K	22	10	50	2.52	9.6	3.4	130
PTM0307-270K	27	10	50	2.52	7.2	3.8	125
PTM0307-330K	33	10	50	2.52	6.3	4.1	120
PTM0307-390K	39	10	50	2.52	6.3	4.5	115
PTM0307-470K	47	10	50	2.52	6.3	4.9	110
PTM0307-560K	56	10	50	2.52	6.2	5.3	105
PTM0307-680K	68	10	50	2.52	5.7	5.8	100
PTM0307-820K	82	10	50	2.52	5.3	6.3	95
PTM0307-101K	100	10	50	2.52	4.8	7.0	90
PTM0307-121K	120	10	50	0.796	3.8	13.0	90
PTM0307-151K	150	10	50	0.796	3.5	15.0	85
PTM0307-181K	180	10	50	0.796	3.3	16.0	80
PTM0307-221K	220	10	50	0.796	3.0	17.0	75
PTM0307-271K	270	10	50	0.796	2.8	19.0	65
PTM0307-331K	330	10	50	0.796	2.6	20.0	60
PTM0307-391K	390	10	50	0.796	2.4	22.0	55
PTM0307-471K	470	10	50	0.796	2.25	24.0	55
PTM0307-561K	560	10	50	0.796	2.10	26.0	50
PTM0307-681K	680	10	50	0.796	1.95	28.0	45
PTM0307-821K	820	10	50	0.796	1.85	30.0	40
PTM0307-102K	1000	10	50	0.796	1.40	33.0	40

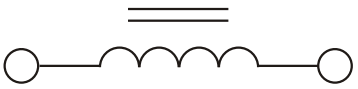
Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Electronical Schematic



TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤ ± 10% △Q/Q≤ ± 25%

Note: All specifications subject to change without notice.

THROUGH–HOLE AXIAL CONFORMAL MOLDED INDUCTORS

L-KLS18-PTM0410 SERIES

FEATURES:

- Ferrite Core
- Wire–wound construction
- Heat resistant epoxy molded resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs) Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

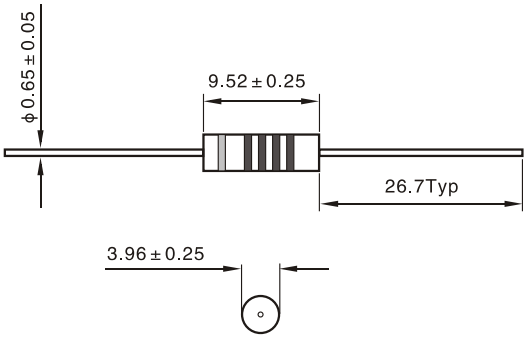
COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Qtest Freq (MHz)	SRF (MHz)	DCR (Ω Max)	IDC (mAMax)
PTM0410-R10K	0.10	25	50	25	525	0.03	2740
PTM0410-R15M	0.15	25	50	25	525	0.03	2740
PTM0410-R22M	0.22	25	50	25	450	0.055	2020
PTM0410-R33M	0.33	25	45	25	360	0.09	1580
PTM0410-R39M	0.39	25	45	25	330	0.11	1420
PTM0410-R47M	0.47	25	45	25	310	0.12	1370
PTM0410-R56M	0.56	25	50	25	280	0.14	1290
PTM0410-R68M	0.68	25	50	25	250	0.15	1220
PTM0410-R82M	0.82	25	50	25	220	0.22	1020
PTM0410-1R0K	1.00	25	50	25	180	0.29	880
PTM0410-1R2K	1.20	7.9	33	7.9	160	0.42	730
PTM0410-1R5K	1.50	7.9	33	7.9	150	0.50	670
PTM0410-1R8K	1.80	7.9	33	7.9	135	0.65	590
PTM0410-2R2K	2.20	7.9	33	7.9	120	0.95	485
PTM0410-2R7K	2.70	7.9	33	7.9	110	1.2	430
PTM0410-3R3K	3.30	7.9	33	7.9	100	2.0	335
PTM0410-3R9K	3.90	7.9	33	7.9	90	2.3	310
PTM0410-4R7K	4.70	7.9	33	7.9	55	2.6	294
PTM0410-5R6K	5.60	7.9	45	7.9	55	0.32	565
PTM0410-6R8K	6.80	7.9	50	7.9	50	0.50	450
PTM0410-8R2K	8.20	7.9	50	7.9	45	0.60	410
PTM0410-100K	10	7.9	55	7.9	42	0.90	335
PTM0410-120K	12	2.5	65	2.5	40	1.1	305
PTM0410-150K	15	2.5	75	2.5	34	1.4	271
PTM0410-180K	18	2.5	75	2.5	30	2.3	213
PTM0410-220K	22	2.5	60	2.5	26	2.5	202
PTM0410-240K	24	2.5	60	2.5	25	2.5	202
PTM0410-270K	27	2.5	65	2.5	21	2.6	198
PTM0410-300K	30	2.5	65	2.5	19	2.8	191
PTM0410-330K	33	2.5	60	2.5	15.5	3.0	185
PTM0410-360K	36	2.5	60	2.5	14.5	2.5	202
PTM0410-390K	39	2.5	60	2.5	13.7	2.6	198
PTM0410-430K	43	2.5	55	2.5	13.0	2.8	194
PTM0410-470K	47	2.5	55	2.5	12.7	2.8	193
PTM0410-510K	51	2.5	55	2.5	12.0	2.9	189
PTM0410-560K	56	2.5	55	2.5	11.5	3.0	184
PTM0410-620K	62	2.5	55	2.5	11.0	3.2	180
PTM0410-680K	68	2.5	55	2.5	10.3	3.3	176
PTM0410-750K	75	2.5	55	2.5	10.0	3.7	166
PTM0410-820K	82	2.5	50	2.5	9.5	3.9	162
PTM0410-910K	91	2.5	50	2.5	8.9	4.3	154
PTM0410-101K	100	2.5	50	2.5	8.7	4.5	151
PTM0410-111K	110	0.79	60	0.79	8.5	4.9	144
PTM0410-121K	120	0.79	65	0.79	8.0	5.2	140
PTM0410-131K	130	0.79	65	0.79	7.5	5.5	137
PTM0410-151K	150	0.79	65	0.79	8.0	6.1	130
PTM0410-161K	160	0.79	65	0.79	7.5	6.4	126
PTM0410-181K	180	0.79	65	0.79	8.0	6.1	130
PTM0410-201K	200	0.79	65	0.79	6.5	7.1	123
PTM0410-221K	220	0.79	65	0.79	6.2	7.5	117
PTM0410-241K	240	0.79	65	0.79	5.9	7.8	115
PTM0410-271K	270	0.79	65	0.79	5.7	11.0	143
PTM0410-301K	300	0.79	65	0.79	5.4	11.5	140
PTM0410-331K	330	0.79	65	0.79	5.1	12.0	136
PTM0410-361K	360	0.79	65	0.79	4.8	12.5	134
PTM0410-391K	390	0.79	65	0.79	4.5	16.3	117
PTM0410-431K	430	0.79	65	0.79	4.2	17.1	115
PTM0410-471K	470	0.79	65	0.79	3.9	17.9	112
PTM0410-511K	510	0.79	65	0.79	3.7	18.8	109
PTM0410-561K	560	0.79	65	0.79	3.8	19.5	107
PTM0410-621K	620	0.79	65	0.79	3.3	25.9	93
PTM0410-681K	680	0.79	65	0.79	3.1	27.2	91
PTM0410-751K	750	0.79	65	0.79	2.9	28.6	88
PTM0410-821K	820	0.79	65	0.79	2.7	30.0	86
PTM0410-911K	910	0.79	65	0.79	2.5	31.5	84
PTM0410-102K	100	0.79	65	0.79	2.3	33.0	82

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Electronical Schematic

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

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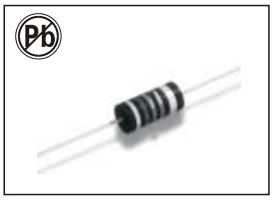


THROUGH–HOLE AXIAL CONFORMAL MOLDED INDUCTORS

L-KLS18-PTM0511 SERIES

FEATURES:

- Ferrite Core
- Wire–wound construction
- Heat resistant epoxy molded resin
- High reliability、Ideal for automatic insertion
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs) Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

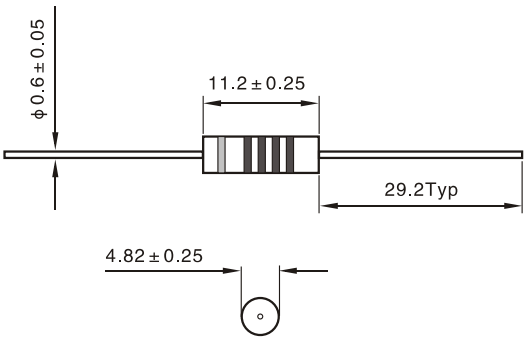
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Qtest Freq (MHz)	SRF (MHz)	DCR (ΩMax)	IDC (mAMax)
PTM0511-R15M	0.15	25	50	25	510	0.03	3050
PTM0511-R22M	0.22	25	50	25	415	0.035	2800
PTM0511-R33M	0.33	25	50	25	350	0.065	2000
PTM0511-R47M	0.47	25	50	25	300	0.085	1700
PTM0511-R56M	0.56	25	50	25	270	0.125	1450
PTM0511-R68M	0.68	25	45	25	250	0.15	1300
PTM0511-R82M	0.82	25	40	25	210	0.21	1100
PTM0511-1R0K	1.00	25	40	25	200	0.29	930
PTM0511-1R2K	1.20	7.9	30	7.9	180	0.40	785
PTM0511-1R5K	1.50	7.9	30	7.9	170	0.49	700
PTM0511-1R8K	1.80	7.9	30	7.9	150	0.74	550
PTM0511-2R2K	2.20	7.9	30	7.9	140	0.97	505
PTM0511-2R7K	2.70	7.9	30	7.9	120	1.2	460
PTM0511-3R3K	3.30	7.9	30	7.9	70	0.14	990
PTM0511-3R9K	3.90	7.9	30	7.9	65	0.155	870
PTM0511-4R7K	4.70	7.9	30	7.9	60	0.21	745
PTM0511-5R6K	5.60	7.9	30	7.9	50	0.28	645
PTM0511-6R8K	6.80	7.9	30	7.9	50	0.375	560
PTM0511-8R2K	8.20	7.9	30	7.9	48	0.44	540
PTM0511-100K	10	7.9	50	7.9	42	0.61	440
PTM0511-120K	12	2.5	55	2.5	36	1.1	370
PTM0511-150K	15	2.5	60	2.5	30	1.2	310
PTM0511-180K	18	2.5	60	2.5	30	2.0	255
PTM0511-220K	22	2.5	65	2.5	24	2.2	240
PTM0511-270K	27	2.5	55	2.5	22	2.8	205
PTM0511-330K	33	2.5	55	2.5	18	2.3	300
PTM0511-390K	39	2.5	55	2.5	16	2.5	285
PTM0511-470K	47	2.5	55	2.5	14	3.4	245
PTM0511-560K	56	2.5	55	2.5	14	4.1	225
PTM0511-680K	68	2.5	55	2.5	11	4.2	220
PTM0511-820K	82	2.5	55	2.5	9.3	4.4	215
PTM0511-101K	100	0.79	45	0.79	8.5	4.9	205
PTM0511-121K	120	0.79	60	0.79	7.3	5.4	195
PTM0511-151K	150	0.79	60	0.79	6.2	6.2	180
PTM0511-181K	180	0.79	60	0.79	5.7	7.1	170
PTM0511-221K	220	0.79	60	0.79	5.2	7.9	160
PTM0511-271K	270	0.79	65	0.79	5.6	8.2	110
PTM0511-331K	330	0.79	65	0.79	5.0	9.1	105
PTM0511-391K	390	0.79	65	0.79	4.5	10.0	100
PTM0511-471K	470	0.79	65	0.79	4.0	11.1	95
PTM0511-561K	560	0.79	65	0.79	3.8	12.3	91
PTM0511-681K	680	0.79	60	0.79	3.4	13.7	85
PTM0511-821K	820	0.79	60	0.79	3.1	15.1	81
PTM0511-102K	100	0.79	60	0.79	2.8	16.5	78

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Electronical Schematic

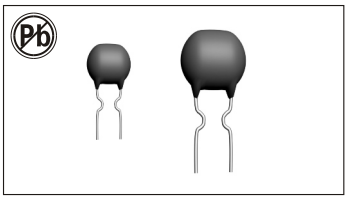
TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH–HOLE RADIAL EPOXY COATED INDUCTORS

L-KLS18-PGB0606 SERIES



FEATURES:

- Ferrite Core
- Wire–wound construction
- Epoxy coated、High reliability
- Ideal for automatic insertion
- Small size、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part number	L (μH)	TOL.	L·Q (MHz)	Q min	SRF (Mhz) Min	DCR (Ω) max	IDC (mA)
PGB0606-R22K	0.22	±20%	25.2	50	150	0.15	816
PGB0606-R27K	0.27	±20%	25.2	50	150	0.15	816
PGB0606-R33K	0.33	±20%	25.2	50	150	0.15	816
PGB0606-R39K	0.39	±20%	25.2	50	130	0.15	816
PGB0606-R47K	0.47	±20%	25.2	50	130	0.15	816
PGB0606-R56K	0.56	±20%	25.2	50	130	0.20	707
PGB0606-R68K	0.68	±20%	25.2	50	120	0.20	707
PGB0606-R82K	0.82	±20%	25.2	50	120	0.20	707
PGB0606-1R0K	1.0	±10%	7.96	50	100	0.20	707
PGB0606-1R2K	1.2	±10%	7.96	50	85	0.20	707
PGB0606-1R5K	1.5	±10%	7.96	50	70	0.22	674
PGB0606-1R8K	1.8	±10%	7.96	50	60	0.22	674
PGB0606-2R2K	2.2	±10%	7.96	50	55	0.25	632
PGB0606-2R7K	2.7	±10%	7.96	50	50	0.27	608
PGB0606-3R3K	3.3	±10%	7.96	50	45	0.30	577
PGB0606-3R9K	3.9	±10%	7.96	50	40	0.32	559
PGB0606-4R7K	4.7	±10%	7.96	50	35	0.35	534
PGB0606-5R6K	5.6	±10%	7.96	50	33	0.37	519
PGB0606-6R8K	6.8	±10%	7.96	50	27	0.40	500
PGB0606-8R2K	8.2	±10%	2.52	50	25	0.45	471
PGB0606-100K	10	±10%	2.52	50	20	0.80	353
PGB0606-120K	12	±10%	2.52	50	18	0.90	333
PGB0606-150K	15	±10%	2.52	50	17	1.00	316
PGB0606-180K	18	±10%	2.52	50	15	1.20	288
PGB0606-220K	22	±10%	2.52	50	13	1.40	267
PGB0606-270K	27	±10%	2.52	50	11	1.70	242
PGB0606-330K	33	±10%	2.52	50	10.5	2.00	223
PGB0606-390K	39	±10%	2.52	50	10	2.40	204
PGB0606-470K	47	±10%	2.52	50	9.5	2.70	192
PGB0606-560K	56	±10%	2.52	50	9	2.90	185
PGB0606-680K	68	±10%	2.52	50	8.5	3.10	179
PGB0606-820K	82	±10%	2.52	50	7.5	3.30	174
PGB0606-101K	100	±10%	0.796	45	6.8	3.30	174
PGB0606-121K	120	±10%	0.796	45	6.2	3.50	169
PGB0606-151K	150	±10%	0.796	45	5.7	3.70	164
PGB0606-181K	180	±10%	0.796	45	5.3	4.00	158
PGB0606-221K	220	±10%	0.796	45	4.0	5.20	138
PGB0606-271K	270	±10%	0.796	45	3.6	5.80	131
PGB0606-331K	330	±10%	0.796	45	3.3	6.50	124
PGB0606-391K	390	±10%	0.796	45	3.0	7.50	115
PGB0606-471K	470	±10%	0.796	45	2.8	8.0	111
PGB0606-561K	560	±10%	0.796	45	2.4	12.5	89
PGB0606-681K	680	±10%	0.796	45	2.2	14.0	84
PGB0606-821K	820	±10%	0.796	45	2.0	15.5	80
PGB0606-102K	1000	±10%	0.252	40	1.8	18.5	73
PGB0606-122K	1200	±10%	0.252	30	1.7	29.0	58
PGB0606-152K	1500	±10%	0.252	30	1.5	34.0	54
PGB0606-182K	1800	±10%	0.252	30	1.4	37.0	51
PGB0606-222K	2200	±10%	0.252	30	1.2	42.0	48

Note:1. K=±10%,M=±20%

1、Ordering Code

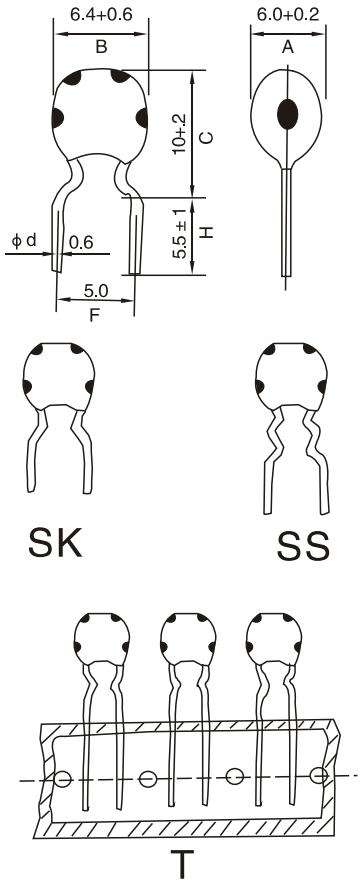
PGB	06	06	SS	–	101	k	T
(1)	(2)	(3)	(4)		(5)	(6)	(7)

(1) Type
(2) Outside
(3) Length
(4) formed Type
(5) Nominal Inductance
(6) inductance Tolerance
(7) Tape

TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable)
  Inductance–HP 4342A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:inductance value

PHYSICAL CHARACTERISTICS:



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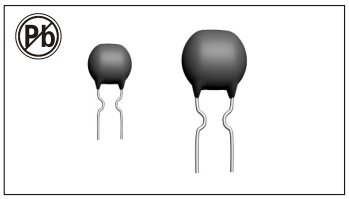


THROUGH–HOLE RADIAL EPOXY COATED INDUCTORS

L-KLS18-PGB0810 SERIES

FEATURES:

- Ferrite Core
- Wire–wound construction
- Epoxy coated、High reliability
- Ideal for automatic insertion
- Small size、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

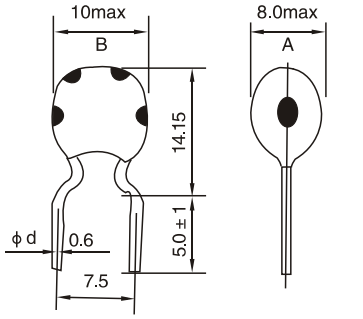
Part number	L (μH)	TOL.	L·Q (MHz)	Q min	SRF (Mhz) Min	DCR (Ω) max	IDC (mA)
PGB0810-1R0K	1.0	±10%	7.96	30	30	0.80	330
PGB0810-1R2K	1.2	±10%	7.96	30	30	0.90	320
PGB0810-1R5K	1.5	±10%	7.96	30	30	1.0	315
PGB0810-1R8K	1.8	±10%	7.96	30	30	1.1	310
PGB0810-2R2K	2.2	±10%	7.96	30	30	1.2	300
PGB0810-2R7K	2.7	±10%	7.96	30	30	1.3	295
PGB0810-3R3K	3.3	±10%	7.96	30	30	1.4	285
PGB0810-3R9K	3.9	±10%	7.96	30	30	1.6	280
PGB0810-4R7K	4.7	±10%	7.96	30	30	1.7	275
PGB0810-5R6K	5.6	±10%	7.96	30	30	1.9	270
PGB0810-6R8K	6.8	±10%	7.96	30	30	2.0	260
PGB0810-8R2K	8.2	±10%	2.52	30	30	2.2	255
PGB0810-100K	10	±10%	2.52	30	30	2.5	250
PGB0810-120K	12	±10%	2.52	30	30	2.5	245
PGB0810-150K	15	±10%	2.52	30	30	2.8	235
PGB0810-180K	18	±10%	2.52	30	30	3.1	225
PGB0810-220K	22	±10%	2.52	30	30	3.4	220
PGB0810-270K	27	±10%	2.52	30	30	3.8	215
PGB0810-330K	33	±10%	2.52	30	30	4.1	205
PGB0810-390K	39	±10%	2.52	30	30	4.5	200
PGB0810-470K	47	±10%	2.52	30	30	4.9	190
PGB0810-560K	56	±10%	2.52	30	30	5.3	180
PGB0810-680K	68	±10%	2.52	30	30	5.8	170
PGB0810-820K	82	±10%	2.52	30	30	6.8	160
PGB0810-101K	100	±10%	0.796	30	30	7.0	150
PGB0810-121K	120	±10%	0.796	30	30	13.0	145
PGB0810-151K	150	±10%	0.796	30	30	15.0	130
PGB0810-181K	180	±10%	0.796	30	30	16.0	120
PGB0810-221K	220	±10%	0.796	30	30	17.0	115
PGB0810-271K	270	±10%	0.796	30	30	19.0	105
PGB0810-331K	330	±10%	0.796	30	30	20.0	100
PGB0810-391K	390	±10%	0.796	30	30	22.0	90
PGB0810-471K	470	±10%	0.796	30	30	24.0	85
PGB0810-561K	560	±10%	0.796	30	30	26.0	80
PGB0810-681K	680	±10%	0.796	30	30	28.0	68
PGB0810-821K	820	±10%	0.796	30	30	30.0	58
PGB0810-102K	1000	±10%	0.252	30	30	33.0	50
PGB0810-122K	1200	±10%	0.252	30	30		
PGB0810-152K	1500	±10%	0.252	30	30		
PGB0810-182K	1800	±10%	0.252	30	30		
PGB0810-222K	2200	±10%	0.252	30	30		

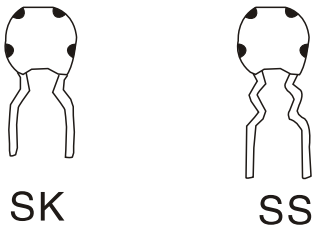
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable)
  Inductance–Hp4342A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:inductance value

PHYSICAL CHARACTERISTICS:





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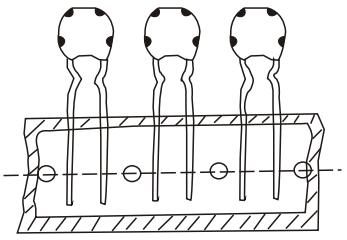


T

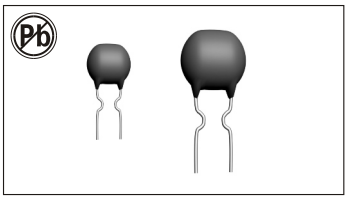
1、Ordering Code

PGB	06	06	SS	–	101	k	T
(1)	(2)	(3)	(4)		(5)	(6)	(7)

(1) Type
(2) Outside
(3) Length
(4) formed Type
(5) Nominal Inductance
(6) inductance Tolerance
(7) Tape

THROUGH–HOLE RADIAL EPOXY COATED INDUCTORS

L-KLS18-PGB0909 SERIES



FEATURES:

- Ferrite Core
- Wire–wound construction
- Epoxy coated、High reliability
- Ideal for automatic insertion
- Small size、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 5000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- VCRs
- Automotive Systems
- Computer Peripheral Equipment
- Televisions
- Electronic Games
- Mobile Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

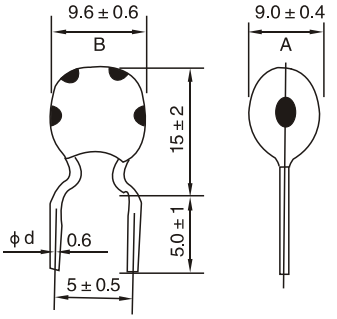
Part number	L (μH)	TOL.	L·Q (MHz)	Q min	SRF (Mhz) Min	DCR (Ω) max	IDC (mA)
PGB0909-101K	100	±10%	0.796	55	4.3	0.85	343
PGB0909-121K	120	±10%	0.796	55	4.1	0.95	324
PGB0909-151K	150	±10%	0.796	55	3.7	1.05	309
PGB0909-181K	180	±10%	0.796	55	3.3	1.15	295
PGB0909-221K	220	±10%	0.796	50	2.3	1.30	277
PGB0909-271K	270	±10%	0.796	50	2.0	1.50	258
PGB0909-331K	330	±10%	0.796	50	1.95	1.70	243
PGB0909-391K	390	±10%	0.796	50	1.85	1.85	232
PGB0909-471K	470	±10%	0.796	50	1.57	2.30	209
PGB0909-561K	560	±10%	0.796	45	1.50	2.55	198
PGB0909-681K	680	±10%	0.796	40	1.40	2.85	187
PGB0909-821K	820	±10%	0.796	35	1.32	3.0	180
PGB0909-102K	1000	±10%	0.252	60	1.25	4.1	156
PGB0909-122K	1200	±10%	0.252	60	1.20	4.7	146
PGB0909-152K	1500	±10%	0.252	60	1.00	5.8	131
PGB0909-182K	1800	±10%	0.252	60	0.95	7.4	116
PGB0909-222K	2200	±10%	0.252	65	0.90	8.4	109
PGB0909-272K	2700	±5%	0.252	65	0.84	11.2	94
PGB0909-332K	3300	±5%	0.252	65	0.75	14.7	82
PGB0909-392K	3900	±5%	0.252	65	0.67	19.5	72
PGB0909-472K	4700	±5%	0.252	60	0.62	21.5	68
PGB0909-562K	5600	±5%	0.252	60	0.57	24.5	64
PGB0909-682K	6800	±5%	0.252	55	0.47	32.5	55
PGB0909-822K	8200	±5%	0.252	50	0.43	38	51
PGB0909-103K	10000	±5%	0.252	50	0.38	43	48
PGB0909-123K	12000	±5%	0.0796	50	0.37	62	40
PGB0909-153K	15000	±5%	0.0796	50	0.33	74	37
PGB0909-183K	18000	±5%	0.0796	50	0.29	103	31
PGB0909-223K	22000	±5%	0.0796	50	0.26	118	29
PGB0909-273K	27000	±5%	0.0796	50	0.25	131	28
PGB0909-333K	33000	±5%	0.0796	50	0.25	152	26
PGB0909-393K	39000	±5%	0.0796	40	0.23	205	22
PGB0909-473K	47000	±5%	0.0796	35	0.21	260	20
PGB0909-563K	56000	±5%	0.0796	35	0.20	295	18

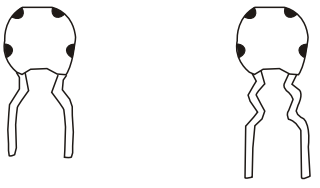
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

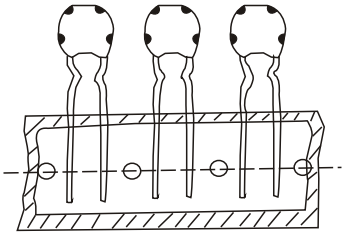
- Testing:(Equivalent acceptable)
  Inductance–HP 4342A
  RDC:QuadTech 1880 Milliohmmeter
  Q–HP4342A
  SRF–HP 4191A
- IDC Max:The maximum DC value having inductance decrease within 10% and temperature increase within 20℃ by the application of DC Bias
- Operating temperature:–25℃ to +105℃
- Storage temperature:–40℃ to + 85℃
- Solderability:Temperature @ 230℃ ±5℃ for 2 seconds
- Marking:inductance value

PHYSICAL CHARACTERISTICS:





SK SS



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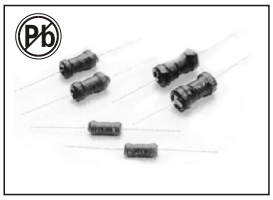
1、Ordering Code

PGB	06	06	SS	_	101	k	T
(1)	(2)	(3)	(4)		(5)	(6)	(7)

(1) Type
(2) Outside
(3) Length
(4) formed Type
(5) Nominal Inductance
(6) inductance Tolerance
(7) Tape

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



THROUGH–HOLE AXIAL UL TUBE POWER CHOKES

L-KLS18-VCA SERIES

1425,1122,0617,0410,

FEATURES:

- Wire–wound Construction
- Polyolefin Shrink Tubing
- Excellent Environmental Characteristics High Reliability
- High Inductance and Lower RDC

OPTIONS:

- Bulk Packaging is Standard (Qty: 500 pcs.)
- Tolerance: 10% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

STANDARD SPECIFICATIONS:

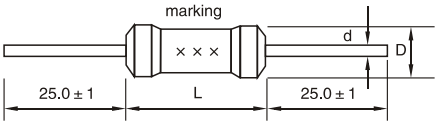
Part Number VCA	L (μH)	1425			1122			0617			0410		
		DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20℃	I Sat A(max)	Idc A(max)	DCR Max. Ω @+20℃	I Sat mA(max)	Idc mA(max)
3R9K	3.9	.007	47.0	6.0	.007	15.5	4.0	.019	7.3	1.70	.060	1800	1500
4R7K	4.7	.008	42.0	6.0	.008	13.9	4.0	.022	6.3	1.50	.068	1700	1400
5R6K	5.6	.009	35.0	6.0	.011	12.6	4.0	.024	5.6	1.40	.074	1600	1300
6R8K	6.8	.010	29.0	6.0	.011	11.6	4.0	.026	5.3	1.35	.080	1600	1200
8R2K	8.2	.011	24.0	6.0	.013	9.89	4.0	.028	4.5	1.30	.087	1500	1100
100K	10	.012	19.0	6.0	.017	8.70	4.0	.033	4.1	1.30	.095	1500	970
120K	12	.013	16.0	6.0	.019	8.21	4.0	.037	3.6	1.30	.110	1400	880
150K	15	.014	14.8	6.0	.022	7.34	4.0	.040	3.3	1.28	.115	1200	790
180K	18	.015	13.4	6.0	.023	6.64	4.0	.044	3.0	1.28	.160	1100	710
220K	22	.016	12.4	6.0	.026	6.07	4.0	.050	2.7	1.00	.190	1000	640
270K	27	.017	11.2	6.0	.027	5.36	4.0	.058	2.5	1.00	.220	950	580
330K	33	.021	10.2	6.0	.032	4.82	4.0	.075	2.2	1.00	.350	910	530
390K	39	.023	9.3	6.0	.033	4.36	4.0	.094	2.0	1.00	.260	880	480
470K	47	.025	8.7	6.0	.035	3.98	4.0	.109	1.8	1.00	.350	760	430
560K	56	.028	8.0	6.0	.037	3.66	3.2	.140	1.7	.840	.470	650	400
680K	68	.039	7.0	4.7	.047	3.31	2.5	.145	1.5	.610	.530	610	370
820K	82	.043	6.3	4.7	.060	3.10	2.0	.152	1.4	.520	.600	580	330
101K	100	.055	5.7	3.8	.090	2.79	1.6	.208	1.2	.520	.670	550	300
121K	120	.076	5.3	3.0	.113	5.54	1.6	.283	1.1	.420	.900	470	270
151K	150	.084	4.7	3.0	.129	2.22	1.6	.340	1.0	.420	1.20	410	250
181K	180	.096	4.3	3.0	.150	1.98	1.6	.362	.95	.420	1.40	380	220
221K	220	.108	4.0	3.0	.162	1.89	1.6	.430	.86	.420	1.90	320	200
271K	270	.151	3.6	2.3	.208	1.63	1.6	.557	.77	.330	2.10	310	180
331K	330	.168	3.2	2.3	.212	1.51	1.6	.665	.70	.330	2.40	290	170
391K	390	.182	2.9	2.3	.281	1.39	1.6	.772	.64	.330	3.0	260	150
471K	470	.202	2.6	2.3	.380	1.24	1.2	1.15	.59	.315	3.40	240	140
561K	560	.348	2.4	1.4	.420	1.17	1.0	1.27	.54	.315	4.70	210	130
681K	680	.470	2.2	1.2	.548	1.05	1.0	1.61	.49	.250	6.40	180	110
821K	820	.500	2.0	1.2	.655	.97	0.8	1.96	.44	.200	7.1	170	100
102K	1000	.570	1.8	1.2	.844	.87	0.8	2.30	.40	.200	7.9	160	95
122K	1200	.648	1.70	1.200	1.04	.79	0.6	2.65	.35	.200	9.0	150	87
152K	1500	.888	1.55	0.900	1.18	.70	0.6	3.45	.33	.158	12.0	130	78
182K	1800	1.16	1.40	0.750	1.56	.64	0.6	4.03	.29	.158	14.0	120	71
222K	2200	1.20	1.25	0.750	2.00	.58	0.5	4.48	.27	.158	19.0	100	64
272K	2700	1.44	1.10	0.750	2.06	.53	0.4	5.90	.24	.125	25.0	90	58
332K	3300	1.92	1.000	0.590	2.53	.47	0.4	6.56	.220	.125	29.0	83	52
392K	3900	2.16	0.900	0.590	2.75	.43	0.4	8.63	.200	.100	34.0	77	48
472K	4700	2.50	0.850	0.590	3.19	.39	0.4	10.50	.180	.100	37.0	74	44
562K	5600	3.20	0.780	0.450	3.92	.359	0.315	13.90	.166	.082	50.0	63	40
682K	6800	4.00	0.700	0.450	5.69	.322	0.250	16.30	.151	.082	58.0	59	36
822K	8200	5.20	0.650	0.350	6.32	.293	0.250	20.80	.136	.065	68.0	54	33
103K	10000	6.00	0.600	0.350	7.30	.266	0.250	26.40	.125	.050	75.0	52	30
123K	12000	8.00	0.540	0.270	9.21	.241	0.200	29.90	.114	.050			
153K	15000	10.00	0.480	0.200	10.50	.214	0.200	42.50	.098	.039			
183K	18000	11.00	0.460	0.200	14.80	.198	0.158	48.30	.091	.039			
223K	22000	13.00	0.390	0.200	21.8	.180	0.125						
273K	27000	15.00	0.355	0.200	22.7	.162	0.125						
333K	33000	21.00	0.330	0.160	25.7	.146	0.125						
393K	39000	23.20	0.300	0.160	31.8	.135	0.100						
473K	47000	32.00	0.270	0.120	36.1	.122	0.100						
563K	56000	35.00	0.175	0.120	40.9	.112	0.100						
683K	68000	48.00	0.145	0.095	57.3	.101	0.082						
823K	82000	54.30	0.120	0.095	79.3	.090	0.065						
104K	100000	68.50	0.100	0.070	89.7	.081	0.065						
124K	120000	75.00	0.080	0.070									
154K	150000	84.30	0.060	0.070									

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A (Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: –55℃ to +125℃
Shrink tube: Flame retardant UL type VW–1
Marking: Inductance and tolerance

Note:All specifications subject to change without notice.



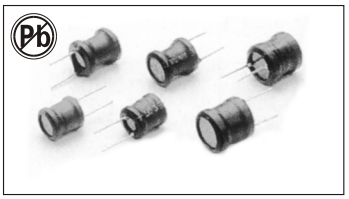
Part Number	dimesion(mm)		
	L	D(ϕ)	D(ϕ)
VCA-0410	10.8	4	0.6 ± 0.05
VCA-0617	17.8	6.6	0.8 ± 0.05
VCA-1122	22	11	0.8 ± 0.05
VCA-1425	25	14	0.8 ± 0.05

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566

THROUGH–HOLE RADIAL UL TUBE POWER CHOKES

L-KLS18-PKF SERIES

0304,0406,0608,0806,0810,0912,1012,1016,1215,1415,1419,1618



FEATURES:

- Wire–wound Construction
- Polyolefin Shrink Tubing
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

OPTIONS:

- Packaging: Bulk is standard
- Tolerance: 10% is standard, tighter tolerances available

COMMON APPLICATIONS:

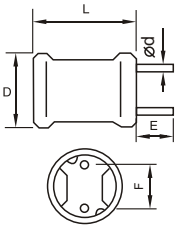
- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS: TECHNICAL INFORMATION:

Part No. LCHB–XXXX–	Inductance (μH)	IDC(A)								DCR(Ω)Max.							
		0406	0608	0806	0810	0912	1012	1016	1415	0406	0608	0806	0810	0912	1012	1016	1415
100K	10	0.620	1.3		2.6	4.5	5.3	5.0	5.0	0.060	0.041		0.04	0.027	0.022	0.031	0.015
120K	12	0.620	1.3		2.6	4.1	4.9	5.0	5.0	0.072	0.046		0.04	0.031	0.023	0.036	0.016
150K	15	0.620	1.3		2.1	3.7	4.4	5.0	5.0	0.078	0.050		0.05	0.036	0.026	0.040	0.017
180K	18	0.490	1.0		2.0	3.4	4.0	5.0	5.0	0.108	0.062		0.05	0.049	0.033	0.041	0.019
220K	22	0.385	1.0	1.27	1.7	3.1	3.6	5.0	5.0	0.144	0.071	0.11	0.06	0.055	0.037	0.043	0.021
270K	27	0.300	1.0	1.14	1.6	2.8	3.3	5.0	5.0	0.168	0.073	0.14	0.06	0.062	0.048	0.046	0.023
330K	33	0.300	0.8	1.03	1.4	2.5	2.9	3.6	4.0	0.200	0.090	0.17	0.07	0.079	0.055	0.051	0.027
390K	39	0.300	0.8	0.95	1.4	2.3	2.7	3.6	4.0	0.220	0.102	0.19	0.08	0.087	0.073	0.054	0.029
470K	47	0.300	0.8	0.87	1.3	2.1	2.5	3.6	4.0	0.240	0.120	0.23	0.10	0.099	0.083	0.063	0.031
560K	56	0.300	0.62	0.80	1.2	1.9	2.3	3.0	4.0	0.265	0.162	0.26	0.11	0.13	0.092	0.075	0.035
680K	68	0.250	0.62	0.72	1.1	1.7	2.1	3.0	4.0	0.380	0.186	0.28	0.14	0.14	0.12	0.078	0.041
820K	82	0.250	0.49	0.66	1.0	1.6	1.9	2.6	4.0	0.445	0.240	0.39	0.16	0.16	0.14	0.088	0.052
101K	100	0.190	0.49	0.59	0.90	1.4	1.7	2.0	4.0	0.590	0.270	0.43	0.19	0.21	0.16	0.108	0.056
121K	120	0.190	0.49	0.54	0.82	1.3	1.5	2.0	3.3	0.640	0.310	0.54	0.22	0.24	0.20	0.127	0.060
151K	150	0.190	0.49	0.48	0.74	1.2	1.4	1.6	3.3	0.730	0.372	0.64	0.27	0.32	0.23	0.162	0.078
181K	180	0.190	0.385	0.44	0.71	1.1	1.3	1.3	3.3	0.850	0.456	0.74	0.31	0.35	0.31	0.128	0.096
221K	220	0.150	0.385	0.40	0.64	0.96	1.1	1.3	2.6	1.20	0.535	0.96	0.38	0.45	0.34	0.252	0.147
271K	270	0.150	0.385	0.36	0.57	0.87	1.0	1.3	2.6	1.32	0.625	1.12	0.53	0.61	0.40	0.290	0.175
331K	330	0.120	0.300	0.33	0.51	0.79	0.93	1.0	2.0	1.75	0.816	1.48	0.61	0.69	0.52	0.394	0.192
391K	390	0.120	0.250	0.30	0.48	0.72	0.86	1.0	2.0	1.95	1.0	1.66	0.69	0.78	0.65	0.416	0.210
471K	470	0.120	0.250	0.27	0.43	0.66	0.78	0.8	2.0	2.00	1.2	1.91	0.89	1.0	0.71	0.568	0.240
561K	560	0.095	0.250	0.25	0.40	0.60	0.71	0.8	1.60	2.90	1.3	2.31	1.01	1.2	1.0	0.650	0.315
681K	680	0.095	0.190	0.23	0.35	0.55	0.65	0.8	1.60	3.10	1.8	2.67	1.81	1.4	1.0	0.740	0.360
821K	820	0.076	0.190	0.21	0.32	0.50	0.59	0.62	1.30	4.30	2.1	3.10	1.57	1.8	1.3	1.00	0.460
102K	1000	0.060	0.150	0.19	0.30	0.45	0.53	0.55	1.30	5.50	3.0	4.45	1.84	2.1	1.7	1.20	0.540
122K	1200	0.060	0.150		0.27			0.49	1.30	6.30	3.3		2.10			1.50	0.660
152K	1500	0.060	0.150		0.23			0.49	1.0	7.20	3.5		2.80			1.70	0.780
182K	1800	0.046	0.120		0.21			0.385	1.0	9.60	5.7		3.21			1.80	0.990
222K	2200	0.046	0.095		0.19			0.385	0.80	11.5	6.2		4.21			2.40	1.20
272K	2700	0.046	0.095		0.17			0.385	0.80	13.0	7.6		4.94			2.80	1.32
332K	3300	0.036	0.095		0.15			0.300	0.62	17.0	8.5		6.16			3.70	1.80
392K	3900	0.036	0.076		0.14			0.250	0.62	19.0	10.3		6.84			5.00	2.10
472K	4700	0.030	0.076		0.13			0.250	0.49	24.0	11.3		7.89			5.60	2.70
562K	5600	0.030	0.076		0.12			0.250	0.49	29.0	13.0		11.5			6.30	3.15
682K	6800	0.024	0.060		0.11			0.190	0.49	42.0	17.0		13.2			8.40	3.60
822K	8200	0.018	0.060		0.10			0.190	0.385	48.0	20.0		15.2			9.60	4.30
103K	10000	0.018	0.046		0.089			0.190	0.385	55.0	27.0		22.0			10.50	5.15
123K	12000	0.018	0.046		0.073			0.150	0.385	64.0	31.0		25.0			14.05	2.85
153K	15000	0.015	0.036		0.068			0.120	0.30	82.0	45.0		29.0			20.5	8.30
183K	18000	0.015	0.036		0.066			0.095	0.25	96.0	51.0		38..1			27.5	10.20
223K	22000	0.015	0.030		0.059			0.095	0.25	110.0	60.0		44.9			31.0	11.70
273K	27000		0.030		0.052			0.095	0.25		66.0		55.7			35.5	13.00
333K	33000		0.030		0.048			0.095	0.19		100.0		64.2			40.0	18.40
393K	39000				0.042			0.095	0.19				74.2			51.0	21.00
473K	47000				0.038			0.095	0.15				96.4			56.0	27.00

TECHNICAL INFORMATION

Testing:LCR Bridge measured @ 1KHz 0.1V HP 4284A
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: –55℃ to +125℃
Shrink tube: Flame retardant UL type VW–1
Marking: Inductance and tolerance
Note:All specifications subject to change without notice.

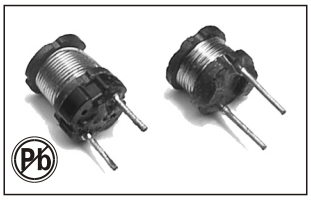


Dimmension: mm

Note:1. K=±10%,M=±20%

Part Number	D	L	E	F	ϕd
PKF0406	5.7	7.3	5/15	2	0.5
PKF0608	7.2	9.5	5/15	3	0.6
PKF0806	8.8	8.0	5/15	5	0.6
PKF0810	8.8	12.0	5/15	5	0.6
PKF0912	10.0	14	5/15	5	0.6
PKF1012	11.0	14	5/15	5	0.8
PKF1016	11.0	18	5/15	5.0	0.8
PKF1415	15.5	18	5/15	7.5	1.0

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



THROUGH–HOLE RADIAL POWER CHOKES

L-KLS18-PKS SERIES

0605,0606,0805,0807,0809

FEATURES:

- Wire–wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

OPTIONS:

- Packaging: Bulk is standard
- Tolerance: 10% is standard, tighter tolerances available

COMMON APPLICATIONS:

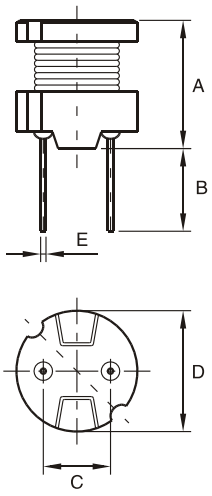
- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS:

Part number PKS-xxxx-	Inductance (μH)	DC R(Ω)Max.					IDC(A)				
		0605	0606	0805	0807	0809	0605	0606	0805	0807	0809
100M	10			0.07	0.05	0.04			2.50	2.90	2.60
120M	12			0.08	0.06	0.04			2.40	2.50	2.60
150M	15			0.09	0.07	0.05			2.10	2.20	2.10
180M	18			0.10	0.08	0.05			2.00	1.90	2.00
220M	22	0.18	0.11	0.12	0.09	0.06	0.90	1.27	1.70	1.80	1.70
270M	27	0.21	0.14	0.14	0.11	0.06	0.81	1.14	1.60	1.70	1.60
330M	33	0.27	0.17	0.17	0.13	0.07	0.74	1.03	1.40	1.50	1.40
390M	39	0.29	0.19	0.21	0.14	0.08	0.68	0.95	1.30	1.30	1.40
470M	47	0.34	0.23	0.24	0.15	010	0.62	0.87	1.20	1.30	1.30
560M	56	0.42	0.26	0.31	0.18	0.11	0.57	0.80	1.10	1.20	1.20
680M	68	0.48	0.28	0.34	0.20	0.14	0.51	0.72	1.00	1.10	1.10
820M	82	0.55	0.39	0.40	0.24	0.16	0.47	0.66	0.93	1.00	1.00
101K	100	0.68	0.43	0.52	0.28	0.19	0.42	0.59	0.81	0.89	0.90
121K	120	0.77	0.54	0.59	0.36	0.22	0.39	0.54	0.76	0.81	0.82
151K	150	0.95	0.64	0.71	0.42	0.27	0.35	0.48	0.67	0.72	0.74
181K	180	1.15	0.74	0.89	0.57	0.31	0.32	0.44	0.62	0.66	0.71
221K	220	1.30	0.96	1.04	0.63	0.38	0.29	0.40	0.54	0.57	0.64
271K	270	1.55	1.12	1.28	0.88	0.53	0.26	0.36	0.49	0.51	0.57
331K	330	2.18	1.48	1.47	1.05	0.61	0.23	0.33	0.44	0.46	0.51
391K	390	2.47	1.66	1.67	1.17	0.69	0.21	0.30	0.41	0.44	0.48
471K	470	2.92	1.91	1.95	1.34	0.89	0.20	0.28	0.38	0.41	0.43
561K	560	3.97	2.31	2.83	1.72	1.01	0.18	0.25	0.35	0.36	0.40
681K	680	4.57	2.67	3.25	1.96	1.18	0.16	0.23	0.32	0.33	0.35
821K	820	5.28	3.10	3.82	2.56	1.57	0.15	0.21	0.31	0.30	0.32
102K	1000	7.06	4.45	5.28	2.94	1.84	0.13	0.19	0.25	0.27	0.30
122K	1200			6.03	4.04	2.10			0.23	0.24	0.27
152K	1500			7.15	4.70	2.80			0.21	0.22	0.23
182K	1800			8.26	5.05	3.21			0.20	0.20	0.21
222K	2200			11.1	6.25	4.21			0.18	0.18	0.19
272K	2700			13.1	8.72	4.94			0.16	0.16	0.17
332K	3300			15.9	10.6	6.16			0.14	0.15	0.15
392K	3900			18.0	14.2	6.84			0.13	0.14	0.14
472K	4700			23.9	16.7	7.89			0.12	0.12	0.13
562K	5600			26.8	18.7	11.5			0.11	0.11	0.12
682K	6800			31.7	21.8	13.2			0.098	0.10	0.11
822K	8200			46.5	28.7	15.2			0.088	0.093	0.10
103K	10000			55.7	33.0	22.0			0.081	0.084	0.089
123K	12000					25.0					0.073
153K	15000					29.1					0.068
183K	18000					38.9					0.066
223K	22000					44.9					0.059
273K	27000					55.7					0.052
333K	33000					64.2					0.048
393K	39000					74.2					0.042
473K	47000					96.4					0.038

Note:1. K= ± 10%,M= ± 20%

PHYSICAL CHARACTERISTICS:



Dimmension: mm

Part Number	A	B	C	D	E
PKS0605	5.2Max	4.061.0	4.060.3	6.5Max	0.5
PKS0606	6.5Max	4.061.0	4.060.3	6.5Max	0.5
PKS0805	5.5Max	5.061.0	5.060.3	8.3Max	0.7
PKS0807	7.5Max	5.061.0	5.060.3	8.3Max	0.7
PKS0809	9.5Max	5.061.0	5.060.3	8.3Max	0.7

TECHNICAL INFORMATION:

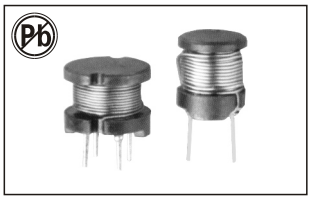
- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable)
  Inductance:HP4284A 1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
  IDC Max : Lowers inductance by 10%
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance

Note:All specifications subject to change without notiece.

THROUGH–HOLE RADIAL POWER CHOKES

L-KLS18-PKH SERIES

1006,1008,1010,1014



FEATURES:

- Wire–wound Structure
- Excellent heat resistance
- Excellent environmental characteristics
- High reliability

OPTIONS:

- Packaging: Bulk is standard
- Tolerance: 10% is standard, tighter tolerances available

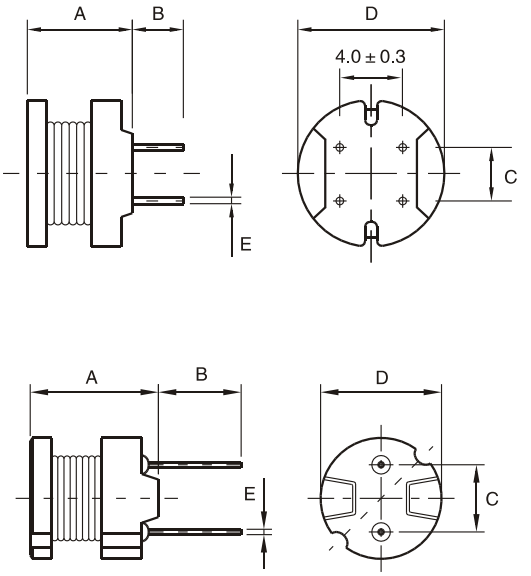
COMMON APPLICATIONS:

- Power Supplies
- SCR and TRIAC Controls
- RFI Suppression
- Filters
- Switching Regulators

ELECTRICAL CHARACTERISTICS:

Part number PKH-xxxx-	Inductance (μH)	DC R(Ω)Max.				IDC(A)			
		1006	1008	1010	1014	1006	1008	1010	1014
6R3M	6.3				0.260				4.30
7R5M	7.5				0.290				4.20
100M	10	0.040	0.027	0.022	0.033	3.60	4.50	5.30	4.00
120M	12	0.044	0.031	0.023	0.035	3.30	4.10	4.90	3.90
150M	15	0.058	0.035	0.026	0.039	2.90	3.70	4.40	3.70
180M	18	0.064	0.049	0.033	0.047	2.70	3.40	4.00	3.50
220M	22	0.088	0.055	0.037	0.051	2.40	3.10	3.60	3.30
270M	27	0.100	0.062	0.048	0.057	2.20	2.80	3.30	3.10
330M	33	0.110	0.079	0.055	0.064	2.00	2.50	2.90	2.90
390M	39	0.140	0.087	0.073	0.074	1.80	2.30	2.70	2.70
470M	47	0.160	0.099	0.083	0.083	1.70	2.10	2.50	2.50
560M	56	0.190	0.130	0.092	0.104	1.50	1.90	2.30	2.30
680M	68	0.220	0.140	0.120	0.117	1.40	1.70	2.10	2.10
820M	82	0.290	0.160	0.140	0.130	1.30	1.60	1.90	1.90
101K	100	0.320	0.210	0.160	0.143	1.30	1.40	1.70	1.70
121K	120	0.380	0.240	0.200	0.195	1.20	1.30	1.50	1.50
151K	150	0.500	0.320	0.230	0.221	1.00	1.20	1.40	1.40
181K	180	0.560	0.350	0.310	0.260	0.84	1.10	1.30	1.30
221K	220	0.780	0.450	0.340	0.350	0.76	0.96	1.10	1.20
271K	270	0.920	0.610	0.400	0.390	0.69	0.87	1.00	1.10
331K	330	1.10	0.690	0.520	0.520	0.62	0.79	0.93	1.00
391K	390	1.30	0.780	0.650	0.570	0.57	0.72	0.86	0.92
471K	470	1.50	1.00	0.710	0.650	0.52	0.66	0.78	0.84
561K	560	1.90	1.20	1.00	0.790	0.48	0.60	0.71	0.75
681K	680	2.20	1.40	1.10	0.960	0.43	0.55	0.65	0.69
821K	820	2.60	1.80	1.30	1.22	0.40	0.50	0.59	0.62
102K	1000	3.20	2.10	1.70	1.60	0.36	0.45	0.53	0.52
122K	1200				2.20				0.46
152K	1500				2.50				0.41
182K	1800				2.90				0.36
222K	2200				3.20				0.32
272K	2700				3.70				0.29
332K	3300				5.00				0.27
392K	3900				5.60				0.25
472K	4700				7.40				0.23
562K	5600				8.20				0.21
682K	6800				11.9				0.19
822K	8200				14.0				0.17
103K	10000				16.0				0.16
123K	12000				21.0				0.15
153K	15000				24.0				0.14
183K	18000				27.0				0.13
223K	22000				34.0				0.12
273K	27000				39.0				0.11
333K	33000				51.0				0.10
393K	39000				58.0				0.09

PHYSICAL CHARACTERISTICS:



Dimmension: mm

Part Number	A	B	C	D	E
PKH4W1006	6.5Max	3.5 ± 1.0	5.0 ± 0.3	10.5Max	0.7
PKH4W1008	8.5Max	3.5 ± 1.0	5.0 ± 0.3	10.5Max	0.7
PKH4W1010	10.5Max	3.5 ± 1.0	5.0 ± 0.3	10.5Max	0.7
PKH4W1014	14.4Max	5.0 ± 1.0	5.0 ± 0.3	10.5Max	0.7
PKH4W1014	14.4Max	5.0 ± 1.0	5.0 ± 0.3	10.5Max	0.7

TECHNICAL INFORMATION:

Testing:LCR Bridge measured @ 1KHz
(Equivalent acceptable)
RDC: QuadTech 1880 Milliohmmeter
IDC Max: Lowers inductance by 10%
Operating temperature: –55℃ to +125℃
Marking: Inductance and tolerance

Note:All specifications subject to change without notice.

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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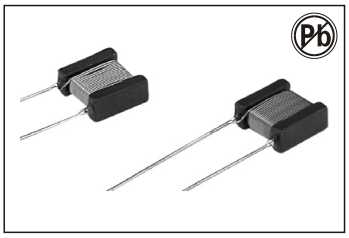


THROUGH-HOLE RADIAL FLAT POWER INDUCTORS

L-KLS18-PKI SERIES

FEATURES:

- Ferrite Core
- Wire-wound construction
- Narrow Design for densely mount
- High reliability、Ideal for automatic insertion
- Small Size 、Low Cost
- Wide Range of Inductance Values
- High Q SRF

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

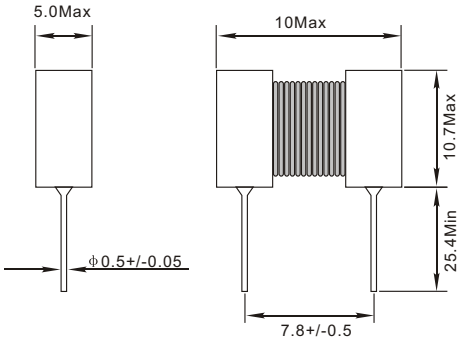
- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

STANDARD SPECIFICATIONS

Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	DCR (ΩMax)	IDC (Amax)	Part Number	L (μH)	L Test Freq (MHz)	Q (Min)	Q Test Freq (MHz)	DCR (ΩMax)	IDC (Amax)
PKI1010-1R0K	1.0	7.96	45	7.96	0.015	7.0	PKI1010-820K	82	2.52	50	2.52	1.198	0.86
PKI1010-1R2K	1.2	7.96	39	7.96	0.012	6.0	PKI1010-101K	100	0.796	80	0.796	1.600	0.70
PKI1010-1R5K	1.5	7.96	33	7.96	0.014	5.0	PKI1010-121K	120	0.796	70	0.796	1.725	0.65
PKI1010-1R8K	1.8	7.96	37	7.96	0.020	4.8	PKI1010-151K	150	0.796	70	0.796	1.855	0.60
PKI1010-2R2K	2.2	7.96	38	7.96	0.025	4.4	PKI1010-181K	180	0.796	70	0.796	2.070	0.58
PKI1010-2R5K	2.5	7.96	40	7.96	0.030	4.1	PKI1010-221K	220	0.796	50	0.796	2.105	0.49
PKI1010-2R7K	2.7	7.96	43	7.96	0.028	4.0	PKI1010-251K	250	0.796	40	0.796	2.700	0.49
PKI1010-3R3K	3.3	7.96	35	7.96	0.036	3.7	PKI1010-331K	330	0.796	50	0.796	3.335	0.41
PKI1010-3R9K	3.9	7.96	37	7.96	0.050	3.4	PKI1010-391K	390	0.796	45	0.796	3.450	0.39
PKI1010-4R7K	4.7	7.96	37	7.96	0.053	3.2	PKI1010-471K	470	0.796	40	0.796	5.290	0.35
PKI1010-5R0K	5.0	7.96	40	7.96	0.080	2.90	PKI1010-561K	560	0.796	40	0.796	5.405	0.32
PKI1010-5R6K	5.6	7.96	38	7.96	0.092	2.80	PKI1010-681K	680	0.796	45	0.796	5.930	0.29
PKI1010-6R8K	6.8	7.96	29	7.96	0.113	2.60	PKI1010-751K	750	0.796	30	0.796	4.200	0.28
PKI1010-8R2K	8.2	2.52	30	2.52	0.110	2.50	PKI1010-821K	820	0.796	40	0.796	6.325	0.27
PKI1010-100K	10	2.52	80	2.52	0.190	2.10	PKI1010-102K	1000	0.252	70	0.252	8.600	0.21
PKI1010-120K	12	2.52	40	2.52	0.140	2.00	PKI1010-122K	1200	0.252	70	0.252	10.00	0.21
PKI1010-150K	15	2.52	40	2.52	0.158	1.60	PKI1010-152K	1500	0.252	62	0.252	14.26	0.19
PKI1010-180K	18	2.52	40	2.52	0.180	1.60	PKI1010-182K	1800	0.252	62	0.252	15.76	0.17
PKI1010-220K	22	2.52	40	2.52	0.230	1.40	PKI1010-222K	2200	0.252	60	0.252	17.70	0.15
PKI1010-250K	25	2.52	50	2.52	0.500	1.30	PKI1010-252K	2500	0.252	60	0.252	18.00	0.14
PKI1010-270K	27	2.52	50	2.52	0.2835	1.30	PKI1010-272K	2700	0.252	60	0.252	19.10	0.14
PKI1010-330K	33	2.52	45	2.52	0.346	1.20	PKI1010-332K	3300	0.252	50	0.252	21.74	0.13
PKI1010-390K	39	2.52	45	2.52	0.371	1.10	PKI1010-392K	3900	0.252	50	0.252	26.00	0.12
PKI1010-470K	47	2.52	45	2.52	0.502	1.03	PKI1010-472K	4700	0.252	50	0.252	28.90	0.11
PKI1010-500K	50	2.52	40	2.52	1.100	1.00	PKI1010-602K	6000	0.252	35	0.252	31.00	0.10
PKI1010-560K	56	2.52	40	2.52	0.687	0.95	PKI1010-752K	7500	0.252	25	0.252	50.00	0.08
PKI1010-680K	68	2.52	40	2.52	0.808	0.90	PKI1010-103K	10000	0.252	25	0.252	70.00	0.07
PKI1010-750K	75	2.52	40	2.52	1.200	0.86							

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



DIMENSIONS in mm

Electronical Schematic

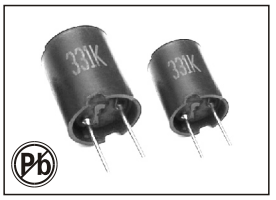
TECHNICAL INFORMATION

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4342A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

THROUGH–HOLE RADIAL ENCAPSULATED POWER INDUCTOR

L-KLS18-FS SERIES



FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
FS0709C-1R0M	1.00	1	0.006	5.00
FS0709C-1R5M	1.50	1	0.008	4.30
FS0709C-2R2M	2.20	1	0.011	3.70
FS0709C-3R3M	3.30	1	0.018	2.90
FS0709C-4R7M	4.70	1	0.022	2.60
FS0709C-6R8M	6.80	1	0.028	2.30
FS0709C-100M	10	1	0.043	1.90
FS0709C-150M	15	1	0.056	1.60
FS0709C-220M	22	1	0.086	1.30
FS0709C-330M	33	1	0.140	1.00
FS0709C-470M	47	1	0.170	0.94
FS0709C-680M	68	1	0.280	0.73
FS0709C-101K	100	1	0.330	0.67
FS0709C-151K	150	1	0.560	0.52
FS0709C-221K	220	1	0.720	0.46
FS0709C-331K	330	1	1.100	0.37
FS0709C-471K	470	1	1.700	0.30
FS0709C-681K	680	1	2.300	0.26
FS0709C-102K	1000	1	4.300	0.19
FS0709C-152K	1500	1	5.000	0.16

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
FS0809C-2R2M	2.20	1	0.011	4.00
FS0809C-3R3M	3.30	1	0.013	3.40
FS0809C-4R7M	4.70	1	0.017	3.00
FS0809C-6R8M	6.80	1	0.023	2.60
FS0809C-100M	10	1	0.031	2.20
FS0809C-150M	15	1	0.042	1.90
FS0809C-220M	22	1	0.070	1.50
FS0809C-330M	33	1	0.092	1.20
FS0809C-470M	47	1	0.130	1.00
FS0809C-680M	68	1	0.160	0.97
FS0809C-101K	100	1	0.230	0.81
FS0809C-151K	150	1	0.400	0.61
FS0809C-221K	220	1	0.530	0.53
FS0809C-331K	330	1	0.780	0.44
FS0809C-471K	470	1	1.000	0.39
FS0809C-681K	680	1	1.500	0.32
FS0809C-102K	1000	1	2.200	0.26
FS0809C-152K	1500	1	3.500	0.21

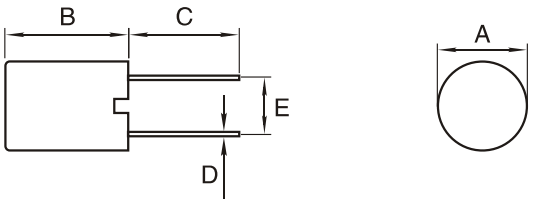
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  IDC Max is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

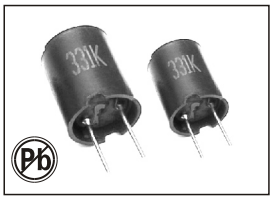
PHYSICAL CHARACTERISTICS:



DIMENSIONS IN:mm

Part number	A	B	C	D	E
FS0709C	8.0Max	9.6Max	5.0Min	0.6	5.0
FS0809C	9.0Max	9.6Max	5.0Min	0.6	5.0

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



THROUGH–HOLE RADIAL ENCAPSULATED POWER INDUCTOR

L-KLS18-FS SERIES

FEATURES:

- Plastic housing
- Water proof structure Ferrite Core
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, PDP, LCD, TV set
- Automotive Systems
- Computer Peripheral Equipment
- GPS, DC/DC convertor, XDSL Modem
- Electronic Games
- Communications Equipment
- General Electronic Applications

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
FS1112C-3R3M	3.30	1	0.010	5.90
FS1112C-4R7M	4.70	1	0.015	4.80
FS1112C-6R8M	6.80	1	0.016	4.60
FS1112C-100M	10	1	0.025	3.70
FS1112C-150M	15	1	0.029	3.40
FS1112C-220M	22	1	0.040	2.90
FS1112C-330M	33	1	0.062	2.30
FS1112C-470M	47	1	0.075	2.10
FS1112C-680M	68	1	0.130	1.60
FS1112C-101K	100	1	0.160	1.40
FS1112C-151K	150	1	0.260	1.10
FS1112C-221K	220	1	0.330	1.00
FS1112C-331K	330	1	0.520	0.82
FS1112C-471K	470	1	0.660	0.72
FS1112C-681K	680	1	1.100	0.56
FS1112C-102K	1000	1	1.400	0.50
FS1112C-152K	1500	1	2.400	0.38
FS1112C-222K	2200	1	3.200	0.33
FS1112C-332K	3300	1	4.900	0.26
FS1112C-472K	4700	1	7.600	0.21
FS1112C-682K	6800	1	9.800	0.18
FS1112C-103K	10000	1	18.00	0.14
FS1112C-153K	15000	1	24.00	0.12

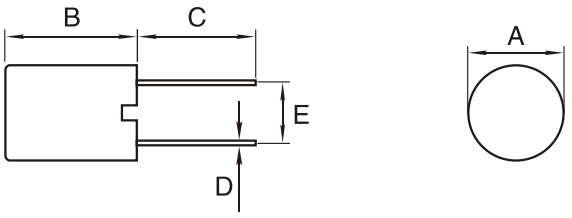
Part Number	L μH	Test Freq KHz	DCR Ω Max	IDC Max A
FS1315C-100M	10	1	0.023	5.10
FS1315C-150M	15	1	0.028	4.50
FS1315C-220M	22	1	0.035	4.20
FS1315C-330M	33	1	0.043	3.70
FS1315C-470M	47	1	0.052	3.40
FS1315C-680M	68	1	0.068	3.00
FS1315C-101K	100	1	0.097	2.50
FS1315C-151K	150	1	0.140	2.10
FS1315C-221K	220	1	0.200	1.70
FS1315C-331K	330	1	0.300	1.40
FS1315C-471K	470	1	0.430	1.10
FS1315C-681K	680	1	0.610	0.99
FS1315C-102K	1000	1	1.000	0.78
FS1315C-152K	1500	1	1.300	0.68
FS1315C-222K	2200	1	2.000	0.55
FS1315C-332K	3300	1	3.100	0.44
FS1315C-472K	4700	1	4.400	0.37
FS1315C-682K	6800	1	6.500	0.30
FS1315C-103K	10000	1	10.00	0.24

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

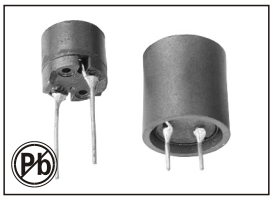


DIMENSIONS IN:mm

Part number	A	B	C	D	E
FS1112C	11.5Max	12.5Max	5.0Min	0.6	5.0
FS1315C	14.0Max	17.0Max	5.0Min	0.6	5.0

THROUGH–HOLE RADIAL SHIELDED POWER INDUCTOR

L-KLS18-FSB SERIES



FEATURES:

- Magnetically Sheilded Constration
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low Profile

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, AC/DC, DC/DC Convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Power Supplier
- Network Systems
- Computer Peripheral Equipment

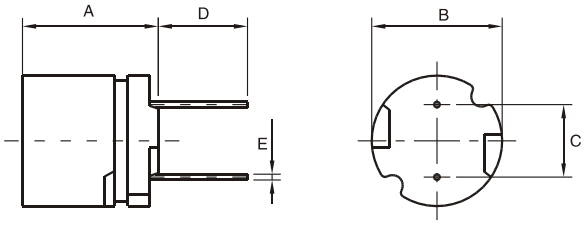
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Test Freq Mhz	DCR Ω Max	IDC Max mA
FSB0606-220M	22	2.52	0.13	960
FSB0606-270M	27	2.52	0.18	870
FSB0606-330M	33	2.52	0.21	780
FSB0606-390M	39	2.52	0.26	720
FSB0606-470M	47	2.52	0.29	660
FSB0606-560K	56	2.52	0.33	600
FSB0606-680K	68	2.52	0.36	550
FSB0606-820K	82	2.52	0.39	500
FSB0606-101K	100	0.001	0.54	450
FSB0606-121K	120	0.001	0.62	410
FSB0606-151K	150	0.001	0.72	370
FSB0606-181K	180	0.001	0.88	340
FSB0606-221K	220	0.001	0.99	300
FSB0606-271K	270	0.001	1.52	270
FSB0606-331K	330	0.001	1.69	250
FSB0606-391K	390	0.001	1.85	230
FSB0606-471K	470	0.001	2.85	210
FSB0606-561K	560	0.001	3.21	190
FSB0606-681K	680	0.001	3.60	170
FSB0606-821K	820	0.001	4.87	160
FSB0606-102K	1000	0.001	5.65	140

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

Part Number	L μH	Test Freq Mhz	DCR Ω Max	IDC Max mA
FSB0708-220M	22	2.52	0.08	1600
FSB0708-270M	27	2.52	0.10	1400
FSB0708-330M	33	2.52	0.14	1300
FSB0708-390M	39	2.52	0.15	1200
FSB0708-470M	47	2.52	0.17	1100
FSB0708-560K	56	2.52	0.19	990
FSB0708-680K	68	2.52	0.21	890
FSB0708-820K	82	2.52	0.27	810
FSB0708-101K	100	0.001	0.32	740
FSB0708-121K	120	0.001	0.36	670
FSB0708-151K	150	0.001	0.51	600
FSB0708-181K	180	0.001	0.57	550
FSB0708-221K	220	0.001	0.76	500
FSB0708-271K	270	0.001	0.86	450
FSB0708-331K	330	0.001	0.97	410
FSB0708-391K	390	0.001	1.28	370
FSB0708-471K	470	0.001	1.44	340
FSB0708-561K	560	0.001	1.61	310
FSB0708-681K	680	0.001	2.07	280
FSB0708-821K	820	0.001	2.33	260
FSB0708-102K	1000	0.001	2.72	230
FSB0708-122K	1200	0.001	3.98	210
FSB0708-152K	1500	0.001	4.50	190
FSB0708-182K	1800	0.001	6.81	170
FSB0708-222K	2200	0.001	7.56	160
FSB0708-272K	2700	0.001	8.54	140
FSB0708-332K	3300	0.001	9.74	130
FSB0708-392K	3900	0.001	12.9	120
FSB0708-472K	4700	0.001	14.7	110
FSB0708-562K	5600	0.001	20.4	99
FSB0708-682K	6800	0.001	23.0	89
FSB0708-822K	8200	0.001	30.6	81
FSB0708-102K	10000	0.001	35.0	74

PHYSICAL CHARACTERISTICS:



DIMENSIONS IN:mm

Part number	A	B	C	D	E
FSB0606	6.5Max	6.0 ± 0.5	4.0 ± 0.5	4.0Min	0.55
FSB0708	7.5Max	7.8 ± 0.5	5.0 ± 0.5	4.0Min	0.65

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4342A HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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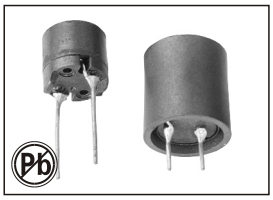


THROUGH–HOLE RADIAL SHIELDED POWER INDUCTOR

L-KLS18-FSB 1014-1159 SERIES

FEATURES:

- Magnetically Sheilded Constration
- Heat Resistant Molded Resin
- Excellent Mechanical Strength
- Excellent Solderability
- High Reliability
- Low DCR Large Current

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

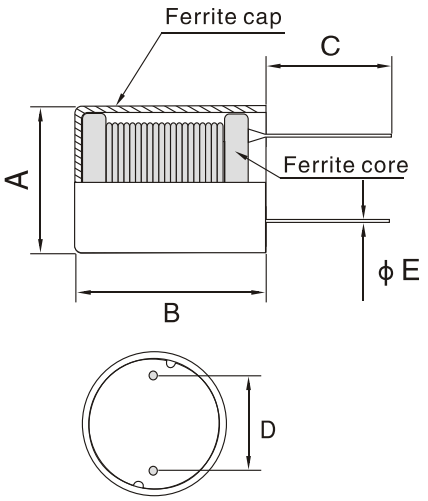
- VCRs, AC/DC, DC/DC Convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Power Supplier
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	L mH	Test Freq Khz	Q Min	DCR (Ω) Max	IDC Max mA
FSB1014-122K	1.2	1	50	1.2	200
FSB1014-152K	1.5	1	50	1.5	200
FSB1014-182K	1.8	1	50	1.6	200
FSB1014-222K	2.2	1	50	1.8	200
FSB1014-272K	2.7	1	40	1.9	200
FSB1014-332K	3.3	1	40	2.3	200
FSB1014-392K	3.9	1	40	2.5	200
FSB1014-472K	4.7	1	40	3.7	140
FSB1014-502K	5.0	1	40	3.8	140
FSB1014-562K	5.6	1	40	4.0	140
FSB1014-682K	6.8	1	40	4.2	140
FSB1014-822K	8.2	1	40	5.3	140
FSB1014-103K	10	1	100	7.3	100
FSB1014-123K	12	1	100	8.3	100
FSB1014-153K	15	1	100	11.0	90
FSB1014-183K	18	1	100	13.6	75
FSB1014-223K	22	1	100	15.4	75
FSB1014-273K	27	1	100	17.9	75
FSB1014-333K	33	1	100	23.3	60
FSB1014-393K	39	1	100	25.9	60
FSB1014-473K	47	1	80	30.4	60
FSB1014-503K	50	1	80	37.8	50
FSB1014-563K	56	1	80	39.1	50
FSB1014-683K	68	1	50	40	50
FSB1014-823K	82	1	50	47	40
FSB1014-104K	100	1	120	50	40
FSB1014-124K	120	1	100	91	30
FSB1014-154K	150	1	90	140	20
FSB1014-184K	180	1	90	164	20
FSB1014-224K	220	1	90	182	20
FSB1014-274K	270	1	90	200	20
FSB1014-334K	330	1	80	275	15
FSB1014-394K	390	1	80	300	15
FSB1014-474K	470	1	80	345	15
FSB1014-564K	560	1	60	520	8.4
FSB1014-684K	680	1	60	590	8.4
FSB1014-824K	820	1	50	675	8.4
FSB1014-105K	1000	1	50	770	8.4
FSB1014-125K	1200	1	50	845	8.4

Note:1. K= ± 10%,M= ± 20%,N= ± 30%

PHYSICAL CHARACTERISTICS:



Dimension: mm

Part Number	A	B	C	D	E
L-KLS18-FSB1009	11.0Max	9.5Max	5.0Min	5.0 ± 0.5	0.7
L-KLS18-FSB1014	11.0Max	14.0Max	5.0Min	5.0 ± 0.5	0.7
L-KLS18-FSB1216	12.5Max	16.0Max	5.0Min	5.0 ± 0.5	0.8
L-KLS18-FSB1519	16.0Max	19.5Max	5.0Min	7.5 ± 0.5	0.8

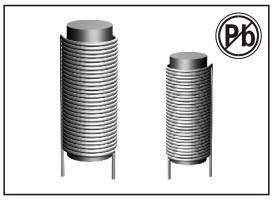
TECHNICAL INFORMATION:

- IDC Max:Determined when superimposed
- Testing: (Equivalent acceptable) Inductance:HP4342A,HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  Q– HP4342A – SRF–HP4191A
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

THROUGH–HOLE RADIAL ROD CORE POWER INDUCTOR

L-KLS18-EC 110A&B SERIES



FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

OPTIONS:

- Bulk Packaging is standard
- Custom Design Avaiable

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

STANDARD SPECIFICATIONS:

Part Number EC–110A&B	L (μH)	IDC (A)	RDC (ΩMax)	A Max	B Max	C ± 0.015/0.38	D ± 0.004/0.10
EC-110A-1R0L-25	1	25	0.002	0.60/15.2	0.68/17.3	0.42/10.7	0.068/1.73
EC-110A-1R0L-10	1	10	0.002	0.50/12.7	0.75/19.1	0.42/10.7	0.054/1.37
EC-110A-3R3L-10	3.3	10	0.005	0.5/12.7	1.0/25.4	0.42/10.7	0.054/1.37
EC-110A-4R7L-03	4.7	3	0.021	0.51/13.0	0.75/19.1	0.42/10.7	0.035/0.89
EC-110A-4R7L-05	4.7	5	0.012	0.50/12.7	0.75/19.1	0.42/10.7	0.042/1.07
EC-110A-4R7L-10	4.7	10	0.012	0.50/12.7	1.0/25.4	0.42/10.7	0.054/1.37
EC-110A-4R7L-20	4.7	20	0.004	0.53/13.5	1.2/30.5	0.42/10.7	0.068/1.73
EC-110A-100K-03	10	3	0.023	0.50/12.7	0.75/19.1	0.42/10.7	0.035/0.89
EC-110A-100K-05	10	5	0.017	0.50/12.7	0.75/19.1	0.42/10.7	0.042/1.07
EC-110A-100K-10	10	10	0.015	0.52/13.2	1.0/25.4	0.42/10.7	0.054/1.37
EC-110A-100K-20	10	20	0.006	0.75/19.1	1.8/45.7	0.60/15.2	0.075/1.91
EC-110A-150K-03	15	3	0.025	0.50/12.7	1.0/25.4	0.42/10.7	0.035/0.89
EC-110A-150K-10	15	10	0.020	0.52/13.2	1.0/25.4	0.42/10.7	0.054/1.37
EC-110A-220K-03	22	3	0.035	0.50/12.7	1.0/25.4	0.42/10.7	0.035/0.89
EC-110A-220K-05	22	5	0.023	0.50/12.7	1.0/25.4	0.42/10.7	0.042/1.07
EC-110A-220K-10	22	10	0.015	0.66/16.8	1.3/33.0	0.42/10.7	0.060/1.52
EC-110A-270K-05	27	5	0.024	0.50/12.7	1.0/25.4	0.49/12.5	0.042/1.07
EC-110A-330K-12	33	12	0.017	0.70/17.8	1.3/33.0	0.55/14.0	0.060/1.52
EC-110A-470K-03	47	3	0.050	0.55/14.0	1.0/25.4	0.42/10.7	0.035/0.89
EC-110A-470K-05	47	5	0.035	0.65/16.5	1.1/28.0	0.70/17.8	0.042/1.07
EC-110A-470K-10	47	10	0.022	0.85/21.8	1.3/33.0	0.70/17.8	0.060/1.52
EC-110A-820K-03	82	3	0.110	0.50/12.7	0.65/16.5	0.375/9.5	0.028/0.71
EC-110A-101K-01	100	1	0.190	0.40/10.2	0.90/22.9	0.30/7.6	0.020/0.51
EC-110A-101K-03	100	3	0.072	0.55/14.0	1.2/30.5	0.70/17.8	0.035/0.89
EC-110A-101K-05	100	5	0.055	0.65/16.5	1.3/33.0	0.70/17.8	0.042/1.07
EC-110A-151K-03	150	3	0.140	0.60/15.2	1.2/30.5	0.43/10.9	0.028/0.71
EC-110A-151K-05	150	5	0.065	0.65/16.5	1.3/33.0	0.70/17.8	0.042/1.07
EC-110A-181K-05	180	5	0.110	0.65/16.5	1.3/33.0	0.70/17.8	0.042/1.07
EC-110A-221K-03	220	3	0.210	0.55/14.0	1.2/30.5	0.42/10.7	0.025/0.64
EC-110A-271K-04	270	4	0.250	0.95/24	0.72/18.3	0.71/18	0.030/0.76
EC-110A-271K-10	270	10	0.160	1.1/28	1.0/25.4	0.72/18.3	0.038/0.97
EC-110A-391K-03	390	3	0.250	1.1/28	1.0/25.4	0.72/18.3	0.035/0.89
EC-110A-391K-05	390	5	0.190	1.1/28	1.0/25.4	0.72/18.3	0.038/0.97

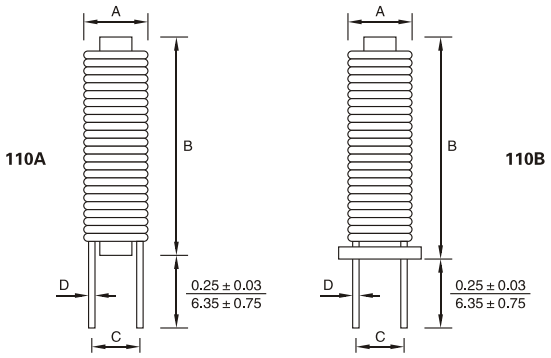
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable) Inductance:HP4284A
  RDC:QuadTech 1880 Milliohmmeter
  DC current is decreased 10% against its initial value
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat:260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Inductance & Tolerance
  Note:All specifications subject to change without notice.

Note:All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



All Dimension in inches/mm

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THROUGH–HOLE RADIAL HIGH CURRENT POWER CHOKES

L-KLS18-PKE01 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

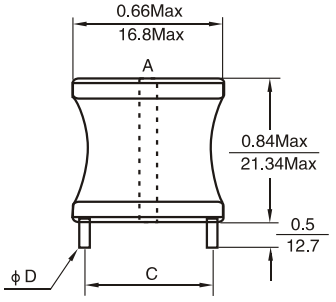
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

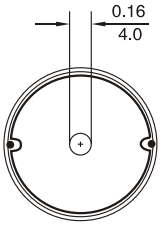
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
PKE01-1R0M	1.0	0.003	9	0.55/13.97	0.051/1.30
PKE01-1R2M	1.2	0.003	9	0.55/13.97	0.051/1.30
PKE01-1R5M	1.5	0.004	9	0.55/13.97	0.051/1.30
PKE01-1R8M	1.8	0.004	9	0.55/13.97	0.051/1.30
PKE01-2R2M	2.2	0.005	9	0.55/13.97	0.051/1.30
PKE01-2R7M	2.7	0.005	9	0.55/13.97	0.051/1.30
PKE01-3R3M	3.3	0.005	9	0.55/13.97	0.051/1.30
PKE01-3R9M	3.9	0.006	9	0.55/13.97	0.051/1.30
PKE01-4R7M	4.7	0.007	9	0.55/13.97	0.051/1.30
PKE01-5R6M	5.6	0.007	9	0.55/13.97	0.051/1.30
PKE01-6R8M	6.8	0.008	9	0.55/13.97	0.051/1.30
PKE01-8R2M	8.2	0.009	9	0.55/13.97	0.051/1.30
PKE01-100K	10	0.010	9	0.55/13.97	0.051/1.30
PKE01-120K	12	0.011	9	0.55/13.97	0.051/1.30
PKE01-150K	15	0.015	7.2	0.53/13.46	0.045/1.14
PKE01-180K	18	0.016	7.2	0.53/13.46	0.045/1.14
PKE01-220K	22	0.020	5.5	0.53/13.46	0.045/1.14
PKE01-270K	27	0.030	4.5	0.53/13.46	0.040/1.01
PKE01-330K	33	0.040	4.0	0.53/13.46	0.040/1.01
PKE01-390K	39	0.046	4.0	0.53/13.46	0.040/1.01
PKE01-470K	47	0.062	2.8	0.53/13.46	0.036/0.91
PKE01-560K	56	0.069	2.8	0.53/13.46	0.036/0.91
PKE01-680K	68	0.077	2.8	0.50/12.70	0.032/0.81
PKE01-820K	82	0.083	2.8	0.50/12.70	0.032/0.81
PKE01-101K	100	0.095	2.8	0.50/12.70	0.032/0.81
PKE01-121K	120	0.127	2.0	0.50/12.70	0.029/0.73
PKE01-151K	150	0.181	1.6	0.50/12.70	0.029/0.73
PKE01-181K	180	0.217	1.6	0.50/12.70	0.025/0.63
PKE01-221K	220	0.240	1.6	0.50/12.70	0.025/0.63
PKE01-271K	270	0.300	1.6	0.47/11.94	0.020/0.51
PKE01-331K	330	0.336	1.3	0.47/11.94	0.020/0.51
PKE01-391K	390	0.460	1.0	0.47/11.94	0.020/0.51
PKE01-471K	470	0.636	0.8	0.47/11.94	0.020/0.51
PKE01-561K	560	0.696	0.8	0.47/11.94	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

THROUGH–HOLE RADIAL HIGH CURRENT POWER CHOKES

L-KLS18-PKE02 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

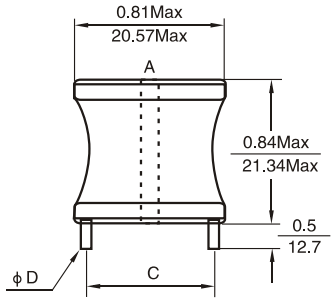
OPTIONS:

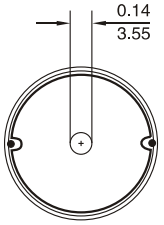
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ±10% △Q/Q≤ ±25%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
PKE02-1R0M	1.0	0.003	11.4	0.63/16.00	0.072/1.83
PKE02-1R2M	1.2	0.003	11.4	0.63/16.00	0.072/1.83
PKE02-1R5M	1.5	0.003	11.4	0.63/16.00	0.072/1.83
PKE02-1R8M	1.8	0.003	11.4	0.63/16.00	0.072/1.83
PKE02-2R2M	2.2	0.004	11.4	0.63/16.00	0.072/1.83
PKE02-2R7M	2.7	0.005	11.4	0.63/16.00	0.064/1.62
PKE02-3R3M	3.3	0.005	11.4	0.63/16.00	0.064/1.62
PKE02-3R9M	3.9	0.005	11.4	0.63/16.00	0.064/1.62
PKE02-4R7M	4.7	0.005	11.4	0.63/16.00	0.064/1.62
PKE02-5R6M	5.6	0.006	11.4	0.63/16.00	0.064/1.62
PKE02-6R8M	6.8	0.007	11.4	0.63/16.00	0.064/1.62
PKE02-8R2M	8.2	0.007	11.4	0.63/16.00	0.064/1.62
PKE02-100K	10	0.009	11.4	0.63/16.00	0.064/1.62
PKE02-120K	12	0.009	11.4	0.63/16.00	0.057/1.45
PKE02-150K	15	0.013	9.0	0.63/16.00	0.057/1.45
PKE02-180K	18	0.018	7.2	0.63/16.00	0.051/1.30
PKE02-220K	22	0.019	7.2	0.63/16.00	0.051/1.30
PKE02-270K	27	0.026	5.5	0.63/16.00	0.051/1.30
PKE02-330K	33	0.029	5.5	0.60/15.24	0.045/1.14
PKE02-390K	39	0.030	5.5	0.60/15.24	0.045/1.14
PKE02-470K	47	0.035	5.5	0.62/15.74	0.045/1.14
PKE02-560K	56	0.039	5.5	0.62/15.74	0.040/1.01
PKE02-680K	68	0.053	4.8	0.62/15.74	0.040/1.01
PKE02-820K	82	0.060	4.8	0.62/15.74	0.040/1.01
PKE02-101K	100	0.080	4.0	0.62/15.74	0.036/0.91
PKE02-121K	120	0.090	4.0	0.62/15.74	0.036/0.91
PKE02-151K	150	0.098	4.0	0.62/15.74	0.032/0.81
PKE02-181K	180	0.110	4.0	0.62/15.74	0.032/0.81
PKE02-221K	220	0.150	2.8	0.62/15.74	0.032/0.81
PKE02-271K	270	0.213	2.0	0.60/15.24	0.029/0.73
PKE02-331K	330	0.305	1.6	0.60/15.24	0.029/0.73
PKE02-391K	390	0.320	1.6	0.60/15.24	0.025/0.64
PKE02-471K	470	0.355	1.6	0.60/15.24	0.025/0.64
PKE02-561K	560	0.388	1.6	0.60/15.24	0.025/0.64
PKE02-681K	680	0.430	1.6	0.60/15.24	0.025/0.64
PKE02-821K	820	0.590	1.3	0.60/15.24	0.023/0.58
PKE02-102K	1000	0.818	1.0	0.60/15.24	0.020/0.51
PKE02-122K	1200	1.14	0.8	0.60/15.24	0.020/0.51
PKE02-152K	1500	1.26	0.8	0.60/15.24	0.020/0.51
PKE02-182K	1800	1.39	0.8	0.60/15.24	0.018/0.45
PKE02-222K	2200	1.54	0.8	0.60/15.24	0.018/0.45

Note:1. K=±10%,M=±20%

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THROUGH–HOLE RADIAL HIGH CURRENT POWER CHOKES

L-KLS18-PKE03 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

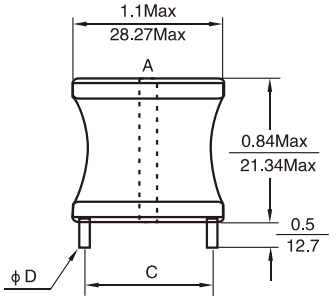
- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) ØD Nom.
PKE03-1R0M	1.0	0.003	21	0.80/20.32	0.081/2.05
PKE03-1R2M	1.2	0.003	21	0.80/20.32	0.081/2.05
PKE03-1R5M	1.5	0.003	21	0.80/20.32	0.081/2.05
PKE03-1R8M	1.8	0.003	21	0.80/20.32	0.081/2.05
PKE03-2R2M	2.2	0.003	21	0.80/20.32	0.081/2.05
PKE03-2R7M	2.7	0.003	21	0.80/20.32	0.081/2.05
PKE03-3R3M	3.3	0.003	21	0.80/20.32	0.081/2.05
PKE03-3R9M	3.9	0.003	21	0.80/20.32	0.081/2.05
PKE03-4R7M	4.7	0.003	21	0.80/20.32	0.081/2.05
PKE03-5R6M	5.6	0.003	21	0.82/20.82	0.081/2.05
PKE03-6R8M	6.8	0.004	21	0.82/20.82	0.081/2.05
PKE03-8R2M	8.2	0.004	21	0.82/20.82	0.081/2.05
PKE03-100K	10	0.006	17	0.82/20.82	0.081/2.05
PKE03-120K	12	0.008	13.5	0.80/20.32	0.072/1.82
PKE03-150K	15	0.009	13.5	0.80/20.32	0.072/1.82
PKE03-180K	18	0.010	13.5	0.80/20.32	0.072/1.82
PKE03-220K	22	0.011	13.5	0.79/20.06	0.064/1.62
PKE03-270K	27	0.012	13.5	0.79/20.06	0.064/1.62
PKE03-330K	33	0.017	13.5	0.79/20.06	0.064/1.62
PKE03-390K	39	0.022	11.4	0.79/20.06	0.057/1.44
PKE03-470K	47	0.024	9.0	0.79/20.06	0.057/1.44
PKE03-560K	56	0.026	9.0	0.79/20.06	0.057/1.44
PKE03-680K	68	0.029	9.0	0.79/20.06	0.057/1.44
PKE03-820K	82	0.032	9.0	0.79/20.06	0.051/1.37
PKE03-101K	100	0.034	9.0	0.79/20.06	0.051/1.37
PKE03-121K	120	0.046	7.2	0.79/20.06	0.051/1.37
PKE03-151K	150	0.064	5.5	0.77/19.56	0.045/1.14
PKE03-181K	180	0.072	5.5	0.77/19.56	0.045/1.14
PKE03-221K	220	0.080	5.5	0.77/19.56	0.040/1.01
PKE03-271K	270	0.110	4.5	0.77/19.56	0.040/1.01
PKE03-331K	330	0.122	4.5	0.77/19.56	0.040/1.01
PKE03-391K	390	0.169	4.0	0.77/19.56	0.036/0.91
PKE03-471K	470	0.187	4.0	0.77/19.56	0.036/0.91
PKE03-561K	560	0.205	4.0	0.77/19.56	0.032/0.81
PKE03-681K	680	0.256	2.8	0.77/19.56	0.032/0.81
PKE03-821K	820	0.288	2.8	0.77/19.56	0.032/0.81
PKE03-102K	1000	0.426	2.0	0.75/19.05	0.029/0.73
PKE03-122K	1200	0.426	2.0	0.75/19.05	0.029/0.73
PKE03-152K	1500	0.518	2.0	0.75/19.05	0.025/0.64
PKE03-182K	1800	0.705	16	0.75/19.05	0.025/0.64
PKE03-222K	2200	1.02	1.3	0.75/19.05	0.025/0.64
PKE03-272K	2700	1.14	1.3	0.75/19.05	0.023/0.58
PKE03-332K	3300	1.27	1.3	0.75/19.05	0.020/0.51
PKE03-392K	3900	1.67	1.0	0.75/19.05	0.020/0.51
PKE03-472K	4700	1.86	1.0	0.75/19.05	0.020/0.51

Note:1. K=±10%,M=±20%

PHYSICAL CHARACTERISTICS



DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤±10% △Q/Q≤±25%

Note: All specifications subject to change without notice.

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THROUGH–HOLE RADIAL HIGH CURRENT POWER CHOKES

L-KLS18-PKE04 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

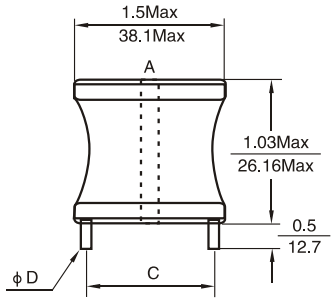
OPTIONS:

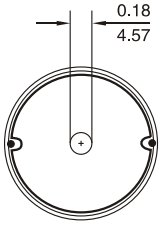
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- SCR and TRIAC Controls
- Automotive Systems

PHYSICAL CHARACTERISTICS





DIMENSIONS: INCHES / mm

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Q– HP4342A
- SRF–HP4191A or HP4194A
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance:△L/L≤ ± 10% △Q/Q≤ ± 25%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (ΩMax)	IDC (A Max)	Dim(Inches/mm) C Approx.	Dim(Inches/mm) D Nom.
PKE04-1R8M	1.8	0.002	27	1.11/28.19	0.081/2.05
PKE04-2R2M	2.2	0.002	27	1.11/28.19	0.081/2.05
PKE04-2R7M	2.7	0.003	27	1.11/28.19	0.081/2.05
PKE04-3R3M	3.3	0.003	27	1.11/28.19	0.081/2.05
PKE04-3R9M	3.9	0.003	27	1.11/28.19	0.081/2.05
PKE04-4R7M	4.7	0.003	27	1.11/28.19	0.081/2.05
PKE04-5R6M	5.6	0.004	27	1.11/28.19	0.081/2.05
PKE04-6R8M	6.8	0.004	27	1.15/29.21	0.081/2.05
PKE04-8R2M	8.2	0.004	27	1.15/29.21	0.081/2.05
PKE04-100K	10	0.005	27	1.15/29.21	0.081/2.05
PKE04-120K	12	0.005	27	1.15/29.21	0.081/2.05
PKE04-150K	15	0.006	27	1.15/29.21	0.081/2.05
PKE04-180K	18	0.008	27	1.15/29.21	0.081/2.05
PKE04-220K	22	0.009	21	1.15/29.21	0.081/2.05
PKE04-270K	27	0.010	21	1.15/29.21	0.081/2.05
PKE04-330K	33	0.011	21	1.15/29.21	0.072/1.82
PKE04-390K	39	0.012	21	1.15/29.21	0.072/1.82
PKE04-470K	47	0.018	14.4	1.15/29.21	0.072/1.82
PKE04-560K	56	0.019	14.4	1.15/29.21	0.064/1.62
PKE04-680K	68	0.021	14.4	1.15/29.21	0.064/1.62
PKE04-820K	82	0.023	14.4	1.15/29.21	0.064/1.62
PKE04-101K	100	0.025	14.4	1.15/29.21	0.064/1.62
PKE04-121K	120	0.028	14.4	1.15/29.21	0.057/1.44
PKE04-151K	150	0.040	14.4	1.15/29.21	0.057/1.44
PKE04-181K	180	0.045	14.4	1.15/29.21	0.057/1.44
PKE04-221K	220	0.050	14.4	1.15/29.21	0.051/1.37
PKE04-271K	270	0.056	14.4	1.15/29.21	0.051/1.37
PKE04-331K	330	0.074	14.4	1.15/29.21	0.051/1.37
PKE04-391K	390	0.082	9.0	1.15/29.21	0.045/1.14
PKE04-471K	470	0.114	7.2	1.15/29.21	0.045/1.14
PKE04-561K	560	0.125	7.2	1.15/29.21	0.040/1.01
PKE04-681K	680	0.139	7.2	1.15/29.21	0.040/1.01
PKE04-821K	820	0.154	7.2	1.15/29.21	0.040/1.01
PKE04-102K	1000	0.216	5.5	1.15/29.21	0.040/1.01
PKE04-122K	1200	0.232	5.5	1.14/28.95	0.036/0.91
PKE04-152K	1500	0.324	4.5	1.14/28.95	0.036/0.91
PKE04-182K	1800	0.360	4.5	1.14/28.95	0.036/0.91
PKE04-222K	2200	0.494	4.0	1.10/27.94	0.032/0.81
PKE04-272K	2700	0.555	4.0	1.12/28.44	0.032/0.81
PKE04-332K	3300	0.773	2.8	1.10/27.94	0.029/0.73
PKE04-392K	3900	0.845	2.8	1.10/27.94	0.029/0.73
PKE04-472K	4700	1.14	2.0	1.12/28.44	0.029/0.73
PKE04-562K	5600	1.60	2.0	1.09/27.68	0.025/0.64
PKE04-682K	6800	1.76	1.6	1.12/28.44	0.025/0.64
PKE04-822K	8200	1.95	1.6	1.09/27.68	0.023/0.58
PKE04-103K	10000	2.76	1.3	1.11/28.19	0.023/0.58
PKE04-123K	12000	3.04	1.3	1.08/27.43	0.020/0.51
PKE04-153K	15000	3.39	1.3	1.10/27.94	0.020/0.51

Note:1. K=±10%,M=±20%

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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKE05 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

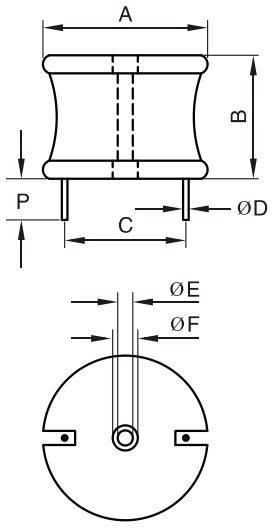
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	1.45/36.83	0.50/12.7	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{∞} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKE05-1R8M	1.8	0.002	35.0	1.11/28.194	0.105/2.667
PKE05-2R2M	2.2	0.002	35.0	1.11/28.194	0.105/2.667
PKE05-2R7M	2.7	0.002	35.0	1.11/28.194	0.105/2.667
PKE05-3R3M	3.3	0.002	35.0	1.11/28.194	0.105/2.667
PKE05-3R9M	3.9	0.003	35.0	1.11/28.194	0.105/2.667
PKE05-4R7M	4.7	0.003	35.0	1.11/28.194	0.105/2.667
PKE05-5R6M	5.6	0.003	35.0	1.11/28.194	0.105/2.667
PKE05-6R8M	6.8	0.003	35.0	1.11/28.194	0.105/2.667
PKE05-8R2M	8.2	0.003	35.0	1.11/28.194	0.105/2.667
PKE05-100K	10.0	0.004	35.0	1.11/28.194	0.105/2.667
PKE05-120K	12.0	0.004	35.0	1.16/29.464	0.105/2.667
PKE05-150K	15.0	0.005	35.0	1.16/29.464	0.105/2.667
PKE05-180K	18.0	0.007	27.0	1.16/29.464	0.094/2.3876
PKE05-220K	22.0	0.007	27.0	1.16/29.464	0.094/2.3876
PKE05-270K	27.0	0.008	27.0	1.16/29.464	0.094/2.3876
PKE05-330K	33.0	0.009	27.0	1.16/29.464	0.094/2.3876
PKE05-390K	39.0	0.010	27.0	1.16/29.464	0.094/2.3876
PKE05-470K	47.0	0.011	27.0	1.16/29.464	0.094/2.3876
PKE05-560K	56.0	0.013	21.0	1.16/29.464	0.094/2.3876
PKE05-680K	68.0	0.015	21.0	1.25/31.750	0.84/2.1336
PKE05-820K	82.0	0.017	21.0	1.28/32.512	0.84/2.1336
PKE05-101K	100.0	0.018	21.0	1.25/31.750	0.84/2.1336
PKE05-121K	120.0	0.022	17.0	1.16/29.464	0.075/1.9152
PKE05-151K	150.0	0.025	17.0	1.16/29.464	0.075/1.9152
PKE05-181K	180.0	0.035	13.5	1.10/27.94	0.068/1.7272
PKE05-221K	220.0	0.040	13.5	1.10/27.94	0.068/1.7272
PKE05-271K	270.0	0.044	13.5	1.10/27.94	0.068/1.7272
PKE05-331K	330.0	0.049	13.5	1.11/28.194	0.068/1.7272
PKE05-390K	390.0	0.070	11.4	1.15/29.21	0.060/1.524
PKE05-471K	470.0	0.078	11.4	1.07/27.178	0.060/1.524
PKE05-561K	560.0	0.105	9.0	1.07/27.178	0.054/1.3716
PKE05-681K	680.0	0.115	9.0	1.07/27.178	0.054/1.3716
PKE05-820K	820.0	0.127	9.0	1.12/28.448	0.054/1.3716
PKE05-102K	1000.0	0.176	7.2	1.12/28.448	0.048/1.2192
PKE05-122K	1200.0	0.195	7.2	1.12/28.448	0.048/1.2192
PKE05-152K	1500.0	0.274	5.5	1.12/28.448	0.043/1.0922
PKE05-182K	1800.0	0.302	5.5	1.13/28.702	0.043/1.0922
PKE05-222K	2200.0	0.338	5.5	1.16/29.464	0.043/1.0922
PKE05-272K	2700.0	0.459	4.5	1.02/25.908	0.039/0.9906
PKE05-332K	3300.0	0.642	4.0	1.02/25.908	0.035/0.8890
PKE05-392K	3900.0	0.699	4.0	1.14/28.956	0.035/0.8890
PKE05-472K	4700.0	0.775	4.0	1.14/28.956	0.035/0.8890
PKE05-562K	5600.0	0.843	4.0	1.14/28.956	0.035/0.8890
PKE05-682K	6800.0	1.15	2.8	1.06/26.924	0.031/0.7874
PKE05-822K	8200.0	1.26	2.8	1.16/29.464	0.031/0.7874
PKE05-103K	10000.0	1.74	2.0	1.13/28.702	0.028/0.7112
PKE05-123K	12000.0	1.92	2.0	1.13/28.702	0.028/0.7112
PKE05-153K	15000.0	2.17	2.0	1.13/28.702	0.028/0.7112

Note: K=±10%,M=±20%

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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKE06 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

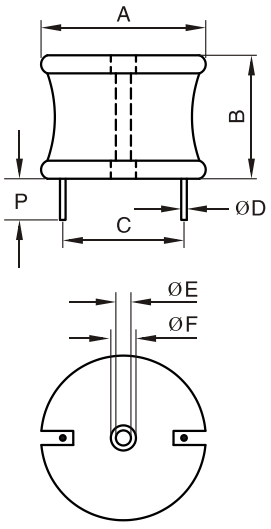
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	1.50/38.10	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKE06-4R7M	4.7	0.002	35.0	1.40/35.56	0.105/2.667
PKE06-5R6M	5.6	0.002	35.0	1.40/35.56	0.105/2.667
PKE06-6R8M	6.8	0.003	35.0	1.40/35.56	0.105/2.667
PKE06-8R2M	8.2	0.003	35.0	1.40/35.56	0.105/2.667
PKE06-100K	10.0	0.003	35.0	1.48/37.592	0.105/2.667
PKE06-120K	12.0	0.004	35.0	1.48/37.592	0.105/2.667
PKE06-150K	15.0	0.004	35.0	1.48/37.592	0.105/2.667
PKE06-180K	18.0	0.005	35.0	1.48/37.592	0.105/2.667
PKE06-220K	22.0	0.006	35.0	1.48/37.592	0.105/2.667
PKE06-270K	27.0	0.006	35.0	1.48/37.592	0.105/2.667
PKE06-330K	33.0	0.006	35.0	1.48/37.592	0.105/2.667
PKE06-390K	39.0	0.008	35.0	1.48/37.592	0.105/2.667
PKE06-470K	47.0	0.008	35.0	1.48/37.592	0.105/2.667
PKE06-560K	56.0	0.009	35.0	1.48/37.592	0.105/2.667
PKE06-680K	68.0	0.009	35.0	1.48/37.592	0.105/2.667
PKE06-820K	82.0	0.010	35.0	1.48/37.592	0.105/2.667
PKE06-101K	100.0	0.014	27.0	1.53/38.862	0.094/2.3876
PKE06-121K	120.0	0.015	27.0	1.53/38.862	0.094/2.3876
PKE06-151K	150.0	0.023	21.0	1.49/37.846	0.084/2.1336
PKE06-181K	180.0	0.025	21.0	1.49/37.846	0.084/2.1336
PKE06-221K	220.0	0.028	21.0	1.49/37.846	0.084/2.1336
PKE06-271K	270.0	0.030	21.0	1.49/37.846	0.084/2.1336
PKE06-331K	330.0	0.040	17.0	1.31/33.274	0.075/1.905
PKE06-390K	390.0	0.055	13.5	1.31/33.274	0.068/1.7272
PKE06-471K	470.0	0.061	13.5	1.31/33.274	0.068/1.7272
PKE06-561K	560.0	0.068	13.5	1.40/35.560	0.068/1.7272
PKE06-681K	680.0	0.094	11.4	1.42/36.068	0.060/1.524
PKE06-820K	820.0	0.104	11.4	1.42/36.068	0.060/1.524
PKE06-102K	1000.0	0.143	9.0	1.36/34.544	0.054/1.3716
PKE06-122K	1200.0	0.156	9.0	1.36/34.544	0.054/1.3716
PKE06-152K	1500.0	0.219	7.2	1.31/33.274	0.048/1.2192
PKE06-182K	1800.0	0.241	7.2	1.31/33.274	0.048/1.2192
PKE06-222K	2200.0	0.270	7.2	1.40/35.560	0.048/1.2192
PKE06-272K	2700.0	0.364	5.5	1.36/34.544	0.043/1.0922
PKE06-332K	3300.0	0.498	4.5	1.24/31.496	0.039/0.9906
PKE06-392K	3900.0	0.548	4.5	1.32/33.528	0.039/0.9906
PKE06-472K	4700.0	0.608	4.5	1.32/33.528	0.039/0.9906
PKE06-562K	5600.0	0.671	4.5	1.36/34.544	0.039/0.9906
PKE06-682K	6800.0	0.750	4.5	1.40/35.560	0.039/0.9906
PKE06-822K	8200.0	1.030	4.0	1.45/36.830	0.035/0.8890
PKE06-103K	10000.0	1.160	4.0	1.45/36.830	0.035/0.8890
PKE06-123K	12000.0	1.540	2.8	1.40/35.560	0.031/0.7874
PKE06-153K	15000.0	1.750	2.8	1.40/35.560	0.031/0.7112
PKE06-183K	18000.0	1.940	2.8	1.45/36.830	0.028/0.7112
PKE06-223K	22000.0	2.740	2.0	1.37/34.798	0.028/0.7112
PKE06-273K	27000.0	3.710	1.7	1.37/34.798	0.025/0.6350
PKE06-333K	33000.0	4.160	1.7	1.37/34.798	0.025/0.6350
PKE06-393K	39000.0	5.560	1.4	1.35/34.290	0.025/0.6350
PKE06-473K	47000.0	6.190	1.4	1.35/34.290	0.022/0.5588

Note: K=±10%,M=±20%

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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKE07 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

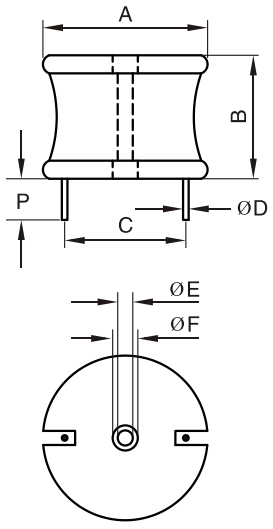
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	1.50/38.10	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKE07-5R6M	5.6	0.0018	45.0	1.60/40.64	0.120/3.048
PKE07-6R8M	6.8	0.0021	45.0	1.60/40.64	0.120/3.048
PKE07-8R2M	8.2	0.0022	45.0	1.60/40.64	0.120/3.048
PKE07-100K	10.0	0.0024	45.0	1.60/40.64	0.120/3.048
PKE07-120K	12.0	0.0025	45.0	1.60/40.64	0.120/3.048
PKE07-150K	15.0	0.0028	42.0	1.70/43.18	0.120/3.048
PKE07-180K	18.0	0.0032	40.0	1.70/43.18	0.120/3.048
PKE07-220K	22.0	0.0036	38.0	1.70/43.18	0.120/3.048
PKE07-270K	27.0	0.0042	38.0	1.70/43.18	0.120/3.048
PKE07-330K	33.0	0.0045	37.0	1.70/43.18	0.120/3.048
PKE07-390K	39.0	0.0048	36.0	1.80/45.72	0.120/3.048
PKE07-470K	47.0	0.0057	35.0	1.80/45.72	0.120/3.048
PKE07-560K	56.0	0.0069	35.0	1.80/45.72	0.120/3.048
PKE07-680K	68.0	0.0078	35.0	1.80/45.72	0.120/3.048
PKE07-820K	82.0	0.0093	35.0	1.80/45.72	0.120/3.048
PKE07-101K	100.0	0.0103	27.0	1.80/45.72	0.120/3.048
PKE07-121K	120.0	0.0108	27.0	1.80/45.72	0.120/3.048
PKE07-151K	150.0	0.0120	25.0	1.80/45.72	0.120/3.048
PKE07-181K	180.0	0.0156	22.0	1.80/45.72	0.120/3.048
PKE07-221K	220.0	0.0168	22.0	1.80/45.72	0.105/2.667
PKE07-271K	270.0	0.0228	21.0	1.80/45.72	0.105/2.667
PKE07-331K	330.0	0.0300	17.0	1.80/45.72	0.094/2.3876
PKE07-390K	390.0	0.0432	13.5	1.70/43.18	0.084/2.1336
PKE07-471K	470.0	0.0456	13.5	1.70/43.18	0.075/1.9050
PKE07-561K	560.0	0.0480	13.5	1.75/44.45	0.075/1.9050
PKE07-681K	680.0	0.0516	12.0	1.80/45.72	0.075/1.9050
PKE07-820K	820.0	0.0648	11.5	1.80/45.72	0.075/1.9050
PKE07-102K	1000.0	0.0936	10.0	1.75/44.45	0.068/1.7272
PKE07-122K	1200.0	0.1020	9.50	1.78/45.212	0.068/1.7272
PKE07-152K	1500.0	0.1176	8.00	1.80/45.72	0.068/1.7272
PKE07-182K	1800.0	0.1536	7.50	1.70/43.18	0.060/1.5240
PKE07-222K	2200.0	0.2160	7.20	1.70/43.18	0.054/1.3716
PKE07-272K	2700.0	0.2424	6.00	1.75/44.45	0.054/1.3716
PKE07-332K	3300.0	0.2640	5.50	1.80/45.72	0.054/1.3716
PKE07-392K	3900.0	0.3480	5.20	1.75/44.75	0.048/1.2192
PKE07-472K	4700.0	0.3924	5.00	1.78/45.212	0.048/1.2192
PKE07-562K	5600.0	0.4320	4.70	1.80/45.72	0.048/1.2192
PKE07-682K	6800.0	0.5940	4.50	1.70/43.18	0.043/1.0922
PKE07-822K	8200.0	0.6600	4.00	1.75/44.45	0.043/1.0922
PKE07-103K	10000.0	0.7560	4.00	1.80/45.72	0.043/1.0922
PKE07-123K	12000.0	0.9840	3.50	1.80/45.72	0.039/0.9986
PKE07-153K	15000.0	1.4160	2.80	1.75/44.45	0.035/0.8890
PKE07-183K	18000.0	1.5240	2.80	1.78/45.212	0.035/0.8890
PKE07-223K	22000.0	1.8000	2.30	1.80/45.72	0.035/0.8890
PKE07-273K	27000.0	2.3760	2.00	1.75/44.45	0.031/0.7874
PKE07-333K	33000.0	2.6400	1.90	1.80/45.72	0.031/0.7874
PKE07-393K	39000.0	3.5760	1.60	1.75/44.45	0.028/0.7112
PKE07-333K	47000.0	3.9360	1.60	1.78/45.212	0.028/0.7112
PKE07-563K	56000.0	4.3200	1.50	1.80/45.72	0.028/0.7112
PKE07-683K	68000.0	5.2200	1.30	1.85/46.99	0.028/0.7112

RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKE08 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

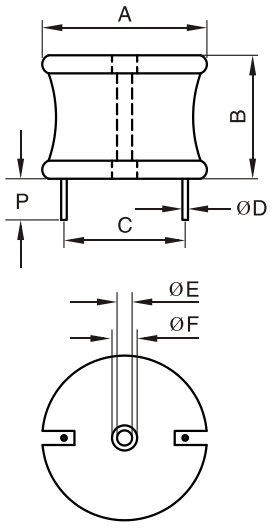
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	2.50/63.50	0.50/12.70	0.10/2.54	0.25/6.35

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08 Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKE08-5R6M	5.6	0.0012	55.0	✲	0.225/5.7150
PKE08-6R8M	6.8	0.0013	55.0	✲	0.225/5.7150
PKE08-8R2M	8.2	0.0015	55.0	✲	0.225/5.7150
PKE08-100K	10.0	0.0017	55.0	✲	0.225/5.7150
PKE08-120K	12.0	0.0020	55.0	✲	0.225/5.7150
PKE08-150K	15.0	0.0021	55.0	✲	0.225/5.7150
PKE08-180K	18.0	0.0023	55.0	✲	0.225/5.7150
PKE08-220K	22.0	0.0025	55.0	✲	0.225/5.7150
PKE08-270K	27.0	0.0026	55.0	✲	0.225/5.7150
PKE08-330K	33.0	0.0029	55.0	✲	0.225/5.7150
PKE08-390K	39.0	0.0033	55.0	✲	0.225/5.7150
PKE08-470K	47.0	0.0035	55.0	✲	0.225/5.7150
PKE08-560K	56.0	0.0039	55.0	✲	0.225/5.7150
PKE08-680K	68.0	0.0043	50.0	✲	0.225/5.7150
PKE08-820K	82.0	0.0048	45.0	✲	0.210/5.3340
PKE08-101K	100.0	0.0052	40.0	✲	0.210/5.3340
PKE08-121K	120.0	0.0071	39.0	✲	0.210/5.3340
PKE08-151K	150.0	0.0079	38.0	✲	0.210/5.3340
PKE08-181K	180.0	0.0087	37.0	✲	0.210/5.3340
PKE08-221K	220.0	0.0120	33.0	✲	0.190/4.8260
PKE08-271K	270.0	0.0140	30.0	✲	0.190/4.8260
PKE08-331K	330.0	0.0180	27.0	1.80/45.72	0.120/3.0480
PKE08-390K	390.0	0.0200	25.0	1.70/43.18	0.120/3.0480
PKE08-471K	470.0	0.0280	21.0	1.70/43.18	0.105/2.6670
PKE08-561K	560.0	0.0310	20.0	1.45/44.45	0.105/2.6670
PKE08-681K	680.0	0.034	19.0	1.80/45.72	0.105/2.667
PKE08-820K	820.0	0.047	16.0	1.80/45.72	0.049/2.3876
PKE08-102K	1000.0	0.052	15.5	1.75/44.45	0.049/2.3876
PKE08-122K	1200.0	0.057	15	1.78/45.212	0.049/2.3876
PKE08-152K	1500.0	0.080	13.0	1.80/45.72	0.084/2.1336
PKE08-182K	1800.0	0.088	12.0	1.70/43.18	0.084/2.1336
PKE08-222K	2200.0	0.122	10.0	1.70/43.18	0.075/1.905
PKE08-272K	2700.0	0.135	10.0	1.75/44.45	0.075/1.905
PKE08-332K	3300.0	0.188	8.0	1.80/45.72	0.068/1.7272
PKE08-392K	3900.0	0.205	8.0	1.75/44.45	0.068/1.7272
PKE08-472K	4700.0	0.283	6.7	1.78/45.212	0.0601.5240
PKE08-562K	5600.0	0.309	6.4	1.80/45.72	0.060/1.5240
PKE08-682K	6800.0	0.431	5.4	1.70/43.18	0.054/1.3716
PKE08-822K	8200.0	0.472	5.2	1.75/44.45	0.054/1.3716
PKE08-103K	10000.0	0.521	5.0	1.80/45.72	0.054/1.3716
PKE08-123K	12000.0	0.717	4.2	1.80/45.72	0.048/1.2192
PKE08-153K	15000.0	0.803	4.0	1.75/44.45	0.048/1.2192
PKE08-183K	18000.0	1.111	3.4	1.78/45.212	0.043/1.0922
PKE08-223K	22000.0	1.228	3.2	1.80/45.72	0.043/1.0922
PKE08-273K	27000.0	1.716	2.7	1.75/44.45	0.039/0.9906
PKE08-333K	33000.0	1.896	2.6	1.80/45.72	0.039/0.9906
PKE08-393K	39000.0	2.590	2.3	1.75/44.45	0.035/0.8890
PKE08-473K	47000.0	2.840	2.2	1.78/45.212	0.035/0.8890
PKE08-563K	56000.0	3.104	2.1	1.80/45.72	0.035/0.8890
PKE08-683K	68000.0	4.331	1.7	1.85/46.99	0.031/0.7874
PKE08-823K	82000.0	4.756	1.6	1.90/48.26	0.031/0.7874
PKE08-104K	100000.0	6.652	1.4	1.95/49.53	0.028/0.7112

✲ Inductors wound with 2 standards of wire. Consult Engineering for dimension. K= ± 10%,M= ± 20%

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKJA04 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

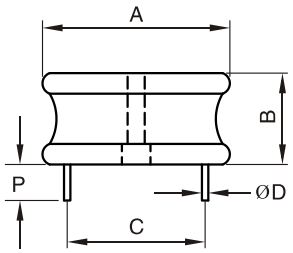
OPTIONS:

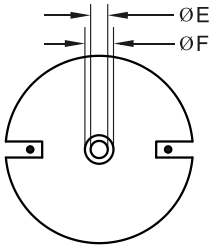
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
1.60/40.64	0.68/17.27	0.50/12.70	0.25/6.35	0.29/7.366

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{oc} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKJA04-2R2M	2.2	0.0028	28.2	1.10/27.94	0.094/2.3876
PKJA04-3R9M	3.9	0.0037	27.2	1.10/27.94	0.094/2.3876
PKJA04-4R7M	4.7	0.0040	25.7	1.10/27.94	0.094/2.3876
PKJA04-6R8M	6.8	0.0048	23.7	1.10/27.94	0.094/2.3876
PKJA04-8R2M	8.2	0.0055	22.0	1.16/29.46	0.094/2.3876
PKJA04-120K	12.0	0.0067	20.7	1.16/29.46	0.084/2.1336
PKJA04-150K	15.0	0.0070	20.5	1.16/29.46	0.084/2.1336
PKJA04-180K	18.0	0.0094	20.5	1.16/29.46	0.084/2.1336
PKJA04-220K	22.0	0.0103	20.4	1.18/29.97	0.084/2.1336
PKJA04-270K	27.0	0.0121	18.9	1.18/29.97	0.084/2.1336
PKJA04-330K	33.0	0.0163	14.0	1.17/29.72	0.068/1.7272
PKJA04-390K	39.0	0.0173	13.6	1.17/29.72	0.068/1.7272
PKJA04-470K	47.0	0.0196	12.8	1.17/29.72	0.068/1.7272
PKJA04-560K	56.0	0.0208	12.4	1.18/29.97	0.068/1.7272
PKJA04-680K	68.0	0.0292	10.7	1.17/29.72	0.060/1.5240
PKJA04-820K	82.0	0.0319	10.2	1.18/29.97	0.060/1.5240
PKJA04-101K	100.0	0.0348	9.8	1.18/29.97	0.060/1.5240
PKJA04-121K	120.0	0.0480	8.3	1.18/29.97	0.048/1.2192
PKJA04-151K	150	0.0530	7.90	1.18/29.97	0.048/1.219
PKJA04-181K	180	0.0743	6.40	1.18/29.97	0.048/1.219
PKJA04-221K	220	0.0833	6.00	1.19/30.23	0.043/1.092
PKJA04-271K	270	0.0940	5.70	1.19/30.23	0.043/1.092
PKJA04-331K	330	0.1270	4.80	1.12/28.48	0.039/0.991
PKJA04-391K	390	0.1380	4.60	1.12/28.48	0.039/0.991
PKJA04-471K	470	0.1840	4.10	1.12/28.48	0.039/0.991
PKJA04-561K	560	0.2030	3.90	1.12/28.48	0.033/0.838
PKJA04-681K	680	0.2790	3.20	1.12/28.48	0.033/0.838
PKJA04-821K	820	0.3140	3.10	1.12/28.48	0.033/0.838
PKJA04-102K	1000	0.3480	2.90	1.14/28.96	0.031/0.787
PKJA04-122K	1200	0.4940	2.40	1.15/29.21	0.031/0.787
PKJA04-152K	1500	0.5480	2.30	1.14/28.96	0.031/0.787
PKJA04-182K	1800	0.7320	1.95	1.14/28.96	0.028/0.711
PKJA04-222K	2200	0.8090	1.80	1.12/28.45	0.028/0.711
PKJA04-272K	2700	1.1200	1.53	1.13/28.70	0.025/0.635
PKJA04-332K	3300	1.8200	1.46	1.13/28.70	0.025/0.635
PKJA04-392K	3900	1.3800	1.40	1.13/28.70	0.025/0.635

Note: K=±10%,M=±20%

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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKJA06 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

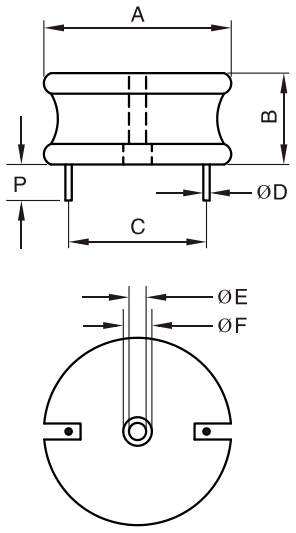
OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS



DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.00/50.80	0.74/18.80	0.50/12.70	0.25/6.35	0.375/9.525

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{DC} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ±10%

Note: All specifications subject to change without notice.

STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKJA06-2R2M	2.2	0.0021	34.7	1.21/30.73	0.105/2.667
PKJA06-3R3M	3.3	0.0026	33.7	1.29/32.77	0.105/2.667
PKJA06-5R6M	5.6	0.0036	31.0	1.29/32.77	0.105/2.667
PKJA06-8R2M	8.2	0.0041	30.4	1.29/32.77	0.105/2.667
PKJA06-120K	12.0	0.0047	29.6	1.37/34.80	0.105/2.667
PKJA06-150K	15.0	0.0055	27.6	1.39/35.31	0.094/2.388
PKJA06-180K	18.0	0.0062	25.9	1.37/34.80	0.094/2.388
PKJA06-220K	22.0	0.0068	24.5	1.37/34.80	0.094/2.388
PKJA06-270K	27.0	0.0077	23.3	1.37/34.80	0.094/2.388
PKJA06-330K	33.0	0.0084	22.3	1.37/34.80	0.094/2.388
PKJA06-390K	39.0	0.0112	18.4	1.17/29.72	0.084/2.134
PKJA06-470K	47.0	0.0132	18.0	1.17/29.72	0.084/2.134
PKJA06-560K	56.0	0.0142	17.5	1.44/36.58	0.075/1.915
PKJA06-680K	68.0	0.0180	15.6	1.44/36.58	0.075/1.915
PKJA06-820K	82.0	0.0202	14.8	1.43/36.32	0.075/1.915
PKJA06-101K	100.0	0.0223	14.0	1.43/36.32	0.075/1.915
PKJA06-121K	120.0	0.0324	11.7	1.44/36.58	0.060/1.524
PKJA06-151K	150.0	0.0368	11.0	1.44/36.58	0.060/1.524
PKJA06-181K	180.0	0.0468	9.5	1.44/36.58	0.054/1.372
PKJA06-221K	220.0	0.0520	9.0	1.44/36.58	0.054/1.372
PKJA06-271K	270	0.0587	8.50	1.46/37.08	0.054/1.372
PKJA06-331K	330	0.0780	7.80	1.46/37.08	0.054/1.372
PKJA06-391K	390	0.0844	7.50	1.45/36.83	0.048/1.219
PKJA06-471K	470	0.1200	6.50	1.43/36.32	0.048/1.219
PKJA06-561K	560	0.1310	6.20	1.44/36.58	0.048/1.219
PKJA06-681K	680	0.1420	6.00	1.46/37.08	0.048/1.219
PKJA06-821K	820	0.1870	4.90	1.45/36.83	0.043/1.092
PKJA06-102K	1000	0.2060	4.70	1.45/36.83	0.043/1.092
PKJA06-122K	1200	0.3010	3.85	1.45/36.83	0.035/0.889
PKJA06-152K	1500	0.3530	3.74	1.46/37.08	0.035/0.889
PKJA06-182K	1800	0.3830	3.43	1.46/37.08	0.035/0.889
PKJA06-222K	2200	0.5480	2.90	1.45/36.83	0.031/0.787
PKJA06-272K	2700	0.7930	2.28	1.46/37.08	0.031/0.787
PKJA06-332K	3300	0.8740	2.15	1.45/36.83	0.031/0.787
PKJA06-392K	3900	0.9480	2.08	1.46/37.08	0.031/0.787
PKJA06-472K	4700	1.2400	2.00	1.46/37.08	0.028/0.711
PKJA06-562K	5600	1.4000	1.88	1.46/37.08	0.028/0.711
PKJA06-682K	6800	1.8400	1.80	1.46/37.08	0.028/0.711
PKJA06-822K	8200	2.3800	1.50	1.47/37.34	0.028/0.711
PKJA06-103K	10000	2.7500	1.40	1.47/37.34	0.028/0.711

Note: K=±10%,M=±20%

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RADIAL LEADED POWER LINE CHOKES

L-KLS18-PKJA07 SERIES

FEATURES:

- High Saturation Material
- Polyolefin Shrink Tubing
- Low DC Resistance
- High Reliability Low cost

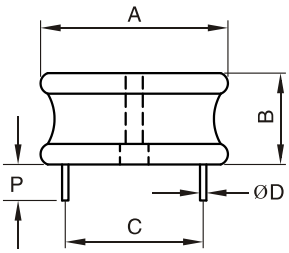
OPTIONS:

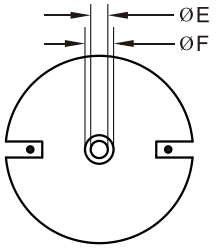
- Packaging: Tape & Reel is Standard (Qty: 1000 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Switching Regulators
- RFI Suppression Filters
- Power Amplifiers
- Power Supplies
- SCR and Trica Controls
- Speaker Crossover Networks
- Automotive Systems
- Filters

PHYSICAL CHARACTERISTICS





DIMENSIONS: inches/mm

A	B	P(min)	ØE	ØF
2.40/60.96	0.74/18.80	0.50/12.70	0.25/6.35	0.425/10.795

ELECTRONICAL SCHEMATIC

TECHNICAL INFORMATION:

The AIRD–05,06,07,08,04A,06A,08A Series of Power Line Choke is available in 367 standard values covering a wide rang of inductance and current. The use of high saturation flux density material make these coils ideal for use in switching regulated power supply applications and wherever high current choke values in a small physical size are needed.

- Inductance Testing: ,HP4284A,HP4285A or equivalent
- RDC:QuadTech 1880 Milliohmmeter
- Rated Current L value drop10%typ.at I_{∞} against its initial value
- Temperature rise 40℃Max Reference ambient temperature
- Solderability: 75% of the lead wire shall be covered
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min
- Moisture resistance: △L/L≤ ± 10%

Note: All specifications subject to change without notice.

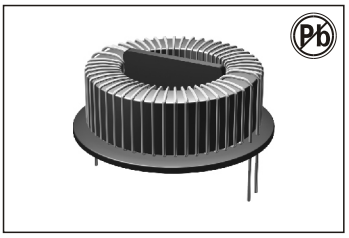
STANDARD SPECIFICATIONS

Part Number	L (μH) @1KHz	DCR (Ω Max)	IDC (A Max)	Dim C (Inches/mm) Approx.	Dim ØD (Inches/mm) Nom.
PKJA07-1R0M	1.0	0.0018	44.0	1.52/38.61	0.120/3.048
PKJA07-2R2M	2.2	0.0024	40.0	1.52/38.61	0.120/3.048
PKJA07-4R7M	4.7	0.0030	36.0	1.60/40.64	0.109/2.769
PKJA07-8R2M	8.2	0.0042	32.0	1.29/32.77	0.109/2.769
PKJA07-120K	12.0	0.0053	30.0	1.64/41.66	0.109/2.769
PKJA07-150K	15.0	0.0060	28.0	1.69/42.93	0.094/2.388
PKJA07-180K	18.0	0.0067	27.0	1.77/44.96	0.094/2.388
PKJA07-220K	22.0	0.0076	26.0	1.77/44.96	0.094/2.388
PKJA07-270K	27.0	0.0085	24.0	1.77/44.96	0.094/2.388
PKJA07-330K	33.0	0.0094	23.0	1.86/47.24	0.094/2.388
PKJA07-390K	39.0	0.0130	20.0	1.86/47.24	0.084/2.134
PKJA07-470K	47.0	0.0150	19.0	1.78/45.21	0.084/2.134
PKJA07-560K	56.0	0.0160	18.0	1.88/47.75	0.084/2.134
PKJA07-680K	68.0	0.0210	16.0	1.88/47.75	0.084/2.134
PKJA07-820K	82.0	0.0240	14.0	1.82/46.23	0.084/2.134
PKJA07-101K	100.0	0.0310	13.0	1.77/44.96	0.068/1.727
PKJA07-121K	120.0	0.0350	12.0	1.87/47.50	0.068/1.727
PKJA07-151K	150.0	0.0450	11.0	1.77/44.96	0.068/1.727
PKJA07-181K	180.0	0.0550	9.5	1.83/46.48	0.054/1.372
PKJA07-221K	220	0.076	8.0	1.75/44.45	0.054/1.372
PKJA07-271K	270	0.084	8.0	1.80/45.72	0.054/1.372
PKJA07-331K	330	0.093	7.5	1.80/45.72	0.048/1.219
PKJA07-391K	390	0.127	6.5	1.80/45.72	0.048/1.219
PKJA07-471K	470	0.138	6.0	1.80/45.72	0.048/1.219
PKJA07-561K	560	0.192	5.0	1.80/45.75	0.043/1.092
PKJA07-681K	680	0.210	5.0	1.76/44.70	0.043/1.092
PKJA07-821K	820	0.287	4.0	1.69/42.93	0.039/0.991
PKJA07-102K	1000	0.320	4.0	1.72/43.69	0.039/0.991
PKJA07-122K	1200	0.349	3.8	1.76/44.70	0.039/0.991
PKJA07-152K	1500	0.492	3.2	1.72/43.69	0.039/0.991
PKJA07-182K	1800	0.544	3.0	1.75/44.45	0.031/0.787
PKJA07-222K	2200	0.691	2.3	1.71/43.42	0.031/0.787
PKJA07-272K	2700	0.764	2.2	1.77/44.96	0.031/0.787
PKJA07-332K	3300	1.027	1.98	1.71/43.43	0.028/0.711
PKJA07-392K	3900	1.113	1.90	1.70/43.18	0.028/0.711
PKJA07-472K	4700	1.565	1.65	1.72/43.69	0.025/0.635
PKJA07-562K	5600	1.700	1.58	1.72/43.69	0.025/0.635
PKJA07-682K	6800	1.854	1.50	1.46/37.08	0.025/0.635

Note: K=±10%,M=±20%

COMMON MODE TOROIDS

L-KLS18-PKRF 2516,3015, 4222,5927 SERIES



FEATURES:

- Low Profile series common mode toroids meets critical filtering requirements where installation profiles are at a premium.
- UL94–VO materials used. Toroids meet IEC, VDE and CSA specifications.

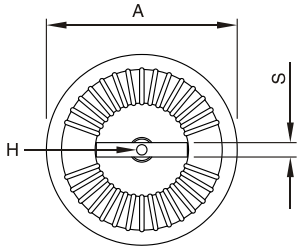
OPTIONS:

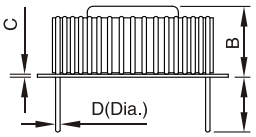
- Bulk packaging is Standard Custom available
- Tolerance:10% is standard, tighter tolerances available.

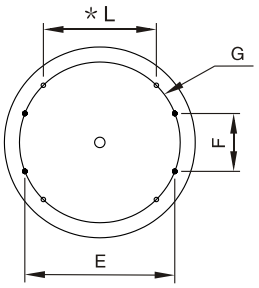
COMMON APPLICATIONS:

- Power Line Filters
- Suppress EMI in Switch Mode Supplies
- Linear Power Supply Filters

PHYSICAL CHARACTERISTICS



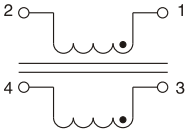




* L: standoffs 1.58 × 0.81–4places

Part No.	A max	B max	C Typ	D (dia)	E	F Typ	G (dia)	S Typ	H dia. ±0.13
PKRF-2516	25.65	15.95	0.81	see table	20.88	7.62	22.10	3.05	N/A
PKRF-3015	31.09	14.91	0.81		27.18	8.38	27.94	3.05	N/A
PKRF-4222	43.43	22.15	0.81		35.92	12.7	38.10	3.05	N/A
PKRF-5927	58.93	27.23	0.81		52.32	12.7	53.85	3.05	N/A

ELECTRONICAL SCHEMATIC



STANDARD SPECIFICATIONS

PKRF-2516 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) −0 ± 60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
PKRF-2516-2.7-1	1.0	2.7	0.07	19	0.51
PKRF-2516-4.7-1	1.0	4.7	0.10	35	0.51
PKRF-2516-10-1	1.0	10.1	0.12	62	0.51
PKRF-2516-1.0-1	2.0	1.0	0.026	7.5	0.64
PKRF-2516-3.9-1	2.0	3.9	0.050	27	0.64
PKRF-2516-6.8-1	2.0	6.8	0.068	44	0.64

PKRF-3015 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) −0 ± 60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
PKRF-3015-4.7-2	2.0	4.7	0.084	56	0.64
PKRF-3015-8.2-2	2.0	8.2	0.09	59	0.64
PKRF-3015-15-2	2.0	15.0	0.11	98	0.64
PKRF-3015-1.2-4	4.0	1.2	0.036	17	0.74
PKRF-3015-2.2-4	4.0	2.2	0.040	18	0.74
PKRF-3015-3.9-4	4.0	3.9	0.054	22	0.74

PKRF-4222 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) −0 ± 60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
PKRF-4222-18.0-2	2.0	18.0	0.19	209	0.64
PKRF-4222-27.0-2	2.0	27.0	0.25	375	0.64
PKRF-4222-56.0-2	2.0	56.0	0.34	604	0.64
PKRF-4222-8.2-4	4.0	8.2	0.10	96	0.74
PKRF-4222-15.0-4	4.0	15.0	0.14	179	0.74
PKRF-4222-6.8-6	6.0	6.8	0.08	7	0.81

PKRF-5927 SERIES PART No.	RATED CURRENT AMPS (RMS)	INDUCTANCE 10KHz (mH) −0 ± 60%	MAX.DCR (Ω) @+20℃	LEAKAGE INDUCTANCE (μH) Typ	"D" Dia. (IN) NOM
PKRF-5927-39-2	2.0	39.0	0.32	552	0.64
PKRF-5927-62-2	2.0	62.0	0.39	440	0.64
PKRF-5927-120-2	2.0	120.0	0.49	925	0.64
PKRF-5927-18-4	4.0	18.0	0.17	252	0.74
PKRF-5927-33-4	4.0	33.0	0.23	486	0.74
PKRF-5927-15-6	6.0	15.0	0.12	193	0.81

All dimensions in mm

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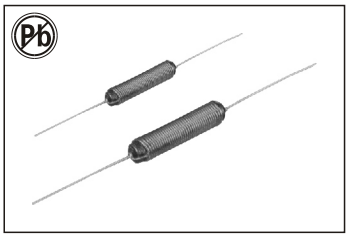


THROUGH–HOLE AXIAL HASH CHOKES

L-KLS18-GC SERIES

01,02,03,04,05

FEATURES:

- Wire–wound Construction
- Narrow Design for Densely Populated Boards
- Wide Range of Inductance Values
- Excellent Q Values
- High Reliability

OPTIONS:

- Packaging is Standard
- Tolerance:20%is Standard, Tighter Tolerances Available
- UL approved Polyolefin shrink tubing

COMMON APPLICATIONS:

- Power supplies
- Amplifiers
- Oscilloscopes
- Medical Equipment
- Converters
- Analyzers

ELECTRICAL CHARACTERISTICS:

Part Number	L μH	Tol %	DCR Ω Max	IDC Max A	Coil Diameter Inches max	Lead Wire Size	Lead Length in.Inches	Bofy Length Max Inches	Refer to Figure #	Core Material
GC-01-3R3M	3.35	±20	0.01	20	.60	12AWG	1.25	1.25	A	IRON
GC-01-4R9M	4.9	±20	.016	15	.60	14AWG	1.25	1.25	A	IRON
GC-01-8R8M	8.8	±20	.021	10	.56	16AWG	1.25	1.25	A	IRON
GC-01-4R0M	4.0	±20	.012	8.0	.38	20AWG	1.25	1.25	B	FERRITE
GC-01-400M	40	±20	.082	3.0	.31	20AWG	1.25	1.25	C	FERRITE
GC-01-680M	68	±20	.054	5.0	.56	20AWG	1.25	1.25	D	FERRITE
GC-01-101M	100	±20	.216	2.0	.38	20AWG	1.25	1.25	E	FERRITE
GC-01-125M	125	±20	.080	3.5	.50	20AWG	1.25	1.25	D	FERRITE
GC-01-251M	250	±20	.170	2.5	.44	20AWG	1.25	1.25	D	FERRITE
GC-01-501M	500	±20	.260	2.0	.44	20AWG	1.25	1.25	D	FERRITE
GC-01-102M	1000	±20	.550	1.0	.50	20AWG	1.25	1.25	D	FERRITE

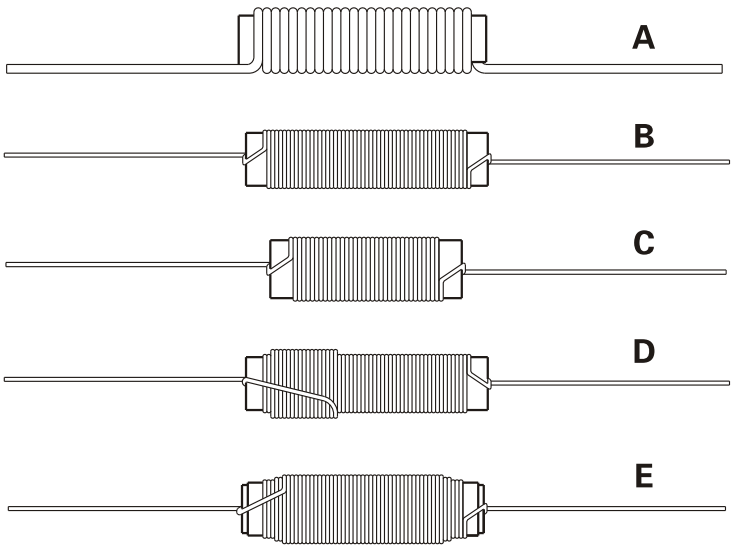
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  HP4284A @1kHz 0.1V
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Lowers inductance by 10%
- Operating temperature: –55℃ to +105℃
- Storage Temperature: –40℃ to +85℃
- Optional Shrink tube: Flame retardant UL type VW–1
- Marking: Inductance and Tolerance on optional tubing only

Note:All specifications subject to change without notice.

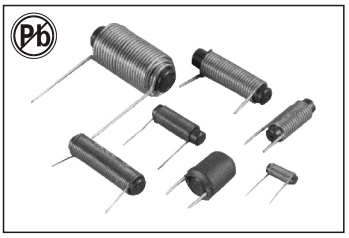
PHYSICAL CHARACTERISTICS:



THROUGH–HOLE HORIZONTAL HASH CHOKES

L-KLS18-FC SERIES

03,05,10,15



FEATURES:

- High current rating
- Low DC resistance
- Pre–tinned Leads
- Polyolefin shrink tubing
- Excellent Stability
- High Reliability

OPTIONS:

- Packaging:Bulk is standard
- Tolerance:10% is standard
  tighter tolerances available

COMMON APPLICATIONS:

- Noise Filtering
- Amplifiers
- Switching Regulators
- Power Supplies
- Triac Control Circuits
- SCR Control Circuits

ELECTRICAL CHARACTERISTICS:

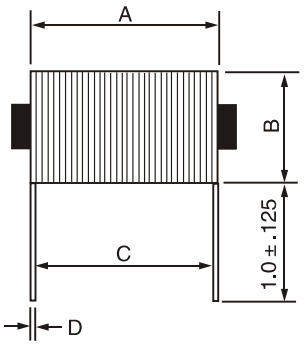
Part Number	L μH	Tol %	DCR Ω Max	Rated Amps	IDC Max Amps	A (MAX)	B (MAX)	C (MAX)	D (MAX)
FC-03-50K	5	±10	.015	10.0	25	.875	.600	.500	.042
FC-03-100K	10	±10	.018	9.0	19	1.125	.625	.687	.042
FC-03-270K	27	±10	.035	7.0	12	.875	.800	.437	.042
FC-03-500K	50	±10	.050	5.6	8	.875	.800	.750	.042
FC-03-101K	100	±10	.065	5.2	6	1.125	.800	.937	.042
FC-03-151K	150	±10	.075	5.0	5	1.375	.800	1.062	.042
FC-03-251K	250	±10	.090	5.0	4	1.625	.800	1.312	.042
FC-05-50K	5	±10	.012	14.0	25	.875	.625	.750	.053
FC-05-100K	10	±10	.015	12.0	19	1.125	.625	1.0	.053
FC-05-270K	27	±10	.025	9.0	13	.875	.840	.562	.053
FC-05-500K	50	±10	.030	8.0	10	1.125	.840	.750	.053
FC-05-680K	68	±10	.035	7.5	9	1.125	.860	.875	.053
FC-05-101K	100	±10	.050	7.5	7	1.375	.860	1.0	.053
FC-05-151K	150	±10	.060	7.0	5	1.625	.860	1.250	.053
FC-10-50K	5	±10	.010	19.0	25	1.125	.635	.812	.065
FC-10-100K	10	±10	.012	16.0	19	1.375	.635	1.218	.065
FC-10-270K	27	±10	.018	12.5	12	1.125	.935	.687	.065
FC-10-500K	50	±10	.025	11.0	10	1.375	.935	.937	.065
FC-10-680K	68	±10	.027	10.0	8	1.375	.935	1.125	.065
FC-10-101K	100	±10	.030	10.0	7	1.625	.935	1.312	.065
FC-15-50K	5	±10	.008	24.0	25	1.375	.700	.937	.082
FC-15-100K	10	±10	.010	20.0	19	1.687	.700	1.50	.082
FC-15-270K	27	±10	.015	16.0	14	1.375	1.0	.937	.082
FC-15-500K	50	±10	.020	15.0	10	1.625	1.0	1.125	.082

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
  Inductance:Measured at 1kHz with 0.1V zero DC current on LCR meter HP 4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max Amps:The typical current at which the inductance will decrease 5% from its initial value
- Temperature range: –55℃ to +125℃ with no load
  –55℃ to +85℃ at full rated current
- Marking:Inductance and tolerance
- Marking: Inductance and Tolerance on optional tubing only

PHYSICAL CHARACTERISTICS:



Dimensions:inches

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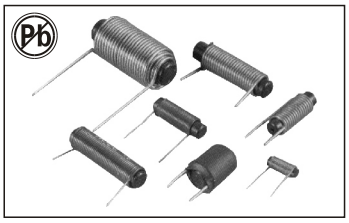


THROUGH–HOLE HIGH CURRENT RADIAL ROD CHOKES

L-KLS18-FC SERIES

0205,0310,0415,0520,0630

FEATURES:

- Low cost design general Purpose inductor
- High Saturation current
- Easy construction that uses Ferrite rod cores

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs) Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

ELECTRICAL CHARACTERISTICS:

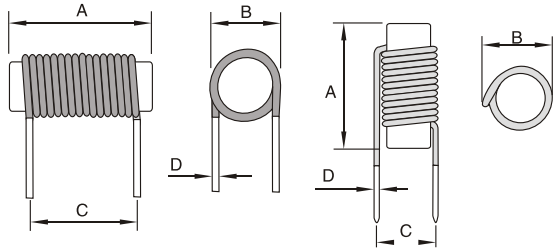
Part Number	L μH	DCR Ω Max	IDC A Max	SRF (MHz) Min	Wire size (mm)	Turns
FC0205-1R0K	1.0	0.040	0.56	200	0.30	11.5
FC0205-1R2K	1.2	0.040	0.56	180	0.30	12.5
FC0310-1R8K	1.8	0.026	1.90	160	0.55	11.5
FC0310-2R2K	2.2	0.028	1.57	150	0.50	13.5
FC0310-2R7K	2.7	0.030	1.57	140	0.50	15.5
FC0310-3R3K	3.3	0.035	1.27	135	0.45	17.5
FC0310-3R9K	3.9	0.050	1.00	110	0.40	18.5
FC0310-4R7K	4.7	0.070	0.76	90	0.35	19.5
FC0415-4R7K	4.7	0.024	2.26	90	0.60	17.5
FC0415-5R6K	5.6	0.030	1.90	80	0.55	18.5
FC0415-6R8K	6.8	0.040	1.57	80	0.50	18.5
FC0415-8R2K	8.2	0.060	1.27	80	0.45	21.5
FC0415-100K	10	0.080	1.00	70	0.40	24.5
FC0520-100K	10	0.040	2.65	60	0.65	22.5
FC0520-120K	12	0.044	2.26	55	0.60	23.5
FC0520-150K	15	0.060	1.90	45	0.55	27.5
FC0520-180K	18	0.080	1.57	40	0.50	29.5
FC0520-220K	22	0.100	1.27	38	0.45	32.5
FC0520-270K	27	0.150	1.00	36	0.40	36.5
FC0630-4R7K	4.7	0.005	16.08	85	1.60	12.5
FC0630-5R6K	5.6	0.005	16.08	80	1.60	14.5
FC0630-6R8K	6.8	0.008	10.61	75	1.30	15.5
FC0630-8R2K	8.2	0.009	9.04	67	1.20	16.5
FC0630-100K	10	0.010	9.04	64	1.20	19.5
FC0630-120K	12	0.018	6.28	57	1.00	20.5
FC0630-150K	15	0.023	5.08	53	0.90	23.5
FC0630-180K	18	0.030	4.02	49	0.80	24.5
FC0630-220K	22	0.045	3.07	44	0.70	27.5
FC0630-270K	27	0.050	3.07	42	0.70	31.5
FC0630-330K	33	0.060	2.65	36	0.65	35.5
FC0630-390K	39	0.080	2.26	34	0.60	40.5
FC0630-470K	47	0.110	1.90	32	0.55	44.5
FC0630-560K	56	0.140	1.57	30	0.50	46.5

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Inductance measured with zero D.C current
- Increment current reduces inductance by≤10%
- Operating temperature: –20℃~+80℃
- Test Equipment

DIMENSIONS IN:mm

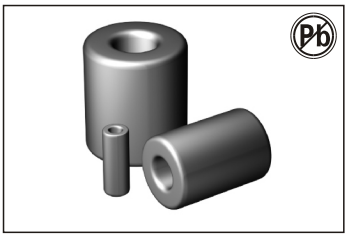


Part number	A	B	C	D
FC0205	6.00Max	3.50Max	TBD	TBD
FC0310	11.00Max	5.00Max	TBD	TBD
FC0415	16.00Max	5.50Max	TBD	TBD
FC0520	21.00Max	7.00Max	TBD	TBD
FC0630	31.00Max	9.50Max	TBD	TBD

Note:All specifications subject to change without notice.

CABLE SHIELDS FERRITE TUBULAR CORE FOR EMI-SUPPRESSION

L-KLS18-HRH SERIES



FEATURES:

- EMI filtration
- Regged construction
- Counter measures for FCC,VDE
- CSA,CE,VCC1
- EMI/RFI suppression
- High reliability
- Long term stability

OPTIONS:

- Packaging:Bulk is standard
- Tolerance:10% is standard tighter tolerances available

COMMON APPLICATIONS:

- Telecommunication Equipment
- EMI/RFI Suppression is required
- Noise Filtering
- Switching Regulators Cable
- Power Supplies Cable

ELECTRICAL CHARACTERISTICS:

Part number	Dimensions			|Z|(Ω)TYP	
	D	d	H	Z 25MHz	Z 100MHz
HRH7.8X5.3X9.8	7.8±0.2	5.3+0.3	9.8±0.2	33	50
HRH8.0X5.3X10.0	8.0–0.4	5.3+0.3	10.0–0.4	36	50
HRH8.3X3.3X10.0	8.3–0.4	3.5+0.3	10.0–0.6	70	96
HRH9.5X4.8X4.8	9.5±0.25	4.75±0.25	4.8±0.2	18	35
HRH9.5X4.8X6.4	9.5±0.25	4.75±0.25	6.35±0.35	23	50
HRH9.5X4.8X9.5	9.5±0.25	4.75±0.25	9.5±0.3	40	70
HRH9.5X4.8X10.0	9.5±0.25	4.75±0.25	10.4±0.25	53	80
HRH9.5X4.8X13.0	9.5±0.25	4.75±0.25	12.7±0.5	60	95
HRH9.5X4.8X19.0	9.5±0.25	4.75±0.25	19.05±0.7	100	145
HRH9.5X5.1X15.0	9.5±0.3	5.1±0.15	14.5±0.45	66	110
HRH9.7X5.0X5.1	9.65±0.25	5.0±0.2	5.05–0.45	26	43
HRH14X6.4X5.3	14.3±0.45	6.35±0.25	5.3–0.45	35	60
HRH14X6.4X10.0	14.3±0.45	6.35±0.25	10.1±0.4	70	105
HRH14X6.4X14.0	14.3±0.45	6.35±0.25	13.8±0.4	90	150
HRH14X6.4X15.0	14.3±0.45	6.35±0.25	15.0±0.45	100	170
HRH14X6.4X29.0	14.3±0.45	6.35±0.25	28.6±0.75	170	250
HRH14X7.3X29.0	14.3±0.45	7.25±0.15	28.6±0.75	143	215
HRH16X7.9X14.0	16.25–0.75	7.9±0.25	14.3±0.35	70	113
HRH16X7.9X29.0	16.25–0.75	7.9±0.25	28.6±0.75	130	213
HRH17X9.5X13.0	17.45±0.35	9.53±0.25	12.7±0.5	55	90
HRH17X9.5X29.0	17.45±0.35	9.53±0.25	28.55±0.5	125	200
HRH17X11X60	17.2–1.2	11.0±0.5	60.0–2.5	200	320
HRH19X10X15	19.0–0.65	10.15±0.25	14.65–0.75	70	110
HRH19X10X29	19.0–0.65	10.15±0.25	28.6±0.75	128	196
HRH19X11X12	19.0±0.4	10.6±0.3	11.5±0.5	50	75
HRH26X13X21	25.9±0.75	12.8±0.25	21.3±0.5	110	180
HRH26X13X29	25.9±0.75	12.8±0.25	28.6±0.8	145	225
HRH29X19X7.5	29.0±0.75	19.0±0.5	7.5±0.25	28	47
HRH31X8X19	31.0±1.0	8.00±0.3	19.0±0.8	130	170
HRH31X21X19	31.0±1.0	12.0±0.3	19.0±0.8	180	241
HRH31X12.5X19	31.0±1.0	12.5±0.3	19.0±0.8	170	267

Note:1. K=±10%,M=±20%

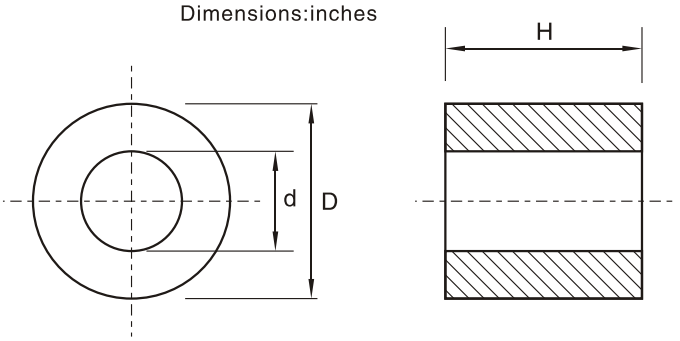
TECHNICAL INFORMATION:

- Impedance: HP4191A or HP4194A HP4395A
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24.5N Min

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:

Dimensions:inches



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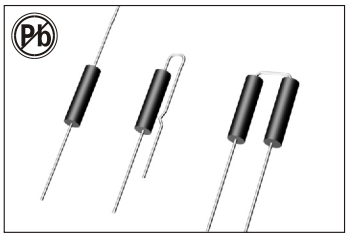


THROUGH-HOLE AXIAL FERRITE BEADS FOR EMI SUPPRESSION

L-KLS18-RH SERIES

FEATURES:

- Ferrite Core
- Regged construction
- Counter measures for FCC,VDE
- CSA,CE,VCC1
- EMI/RFI suppression
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard (Qty: 1500 pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% is standard, tighter tolerances available.

COMMON APPLICATIONS:

- Noise Filtering
- Amplifiers
- Switching Regulators
- Power Supplies
- Triac Control Circuits
- SCR Control Circuits

STANDARD SPECIFICATIONS

Part Number	Impedance @25MHz (Ω)Min	Impedance @100MHz (Ω)Min	A	B	C	D	L1–L2
RH–3530	25	40	3.5+/–0.2	3.0+/–0.3	62+/–2.0	0.6	1
RH–3545	30	60	3.5+/–0.2	4.5+/–0.3	62+/–2.0	0.6	1
RH–3547	35	60	3.5+/–0.2	4.7+/–0.3	62+/–2.0	0.6	1
RH–3560	50	75	3.5+/–0.2	6.0+/–0.3	62+/–2.0	0.6	1
RH–3575	60	90	3.5+/–0.2	7.5+/–0.3	62+/–2.0	0.6	1
RH–3580	60	100	3.5+/–0.2	8.0+/–0.3	62+/–2.0	0.6	1
RH–3590	80	120	3.5+/–0.2	9.0+/–0.3	62+/–2.0	0.6	1
RH–3512	30	130	3.5+/–0.2	12+/–0.3	62+/–2.0	0.6	1
RH–3514	50	150	3.5+/–0.2	14+/–0.3	62+/–2.0	0.6	1

Note:1. K=±10%,M=±20%

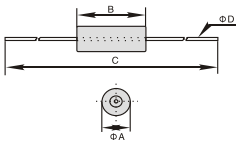
TECHNICAL INFORMATION:

DIMENSIONS in mm

- Impedance: HP4191A or HP4194A HP4395A
- Soldering Methods: Wave,Reflow
- Operating Temperature:–25℃ to +85℃
- Storage Temperature: –55℃ to +125℃
- Terminal bending strength:24,5N Min

Note: All specifications subject to change without notice.

PHYSICAL CHARACTERISTICS:



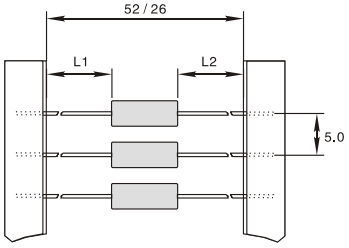


Fig1

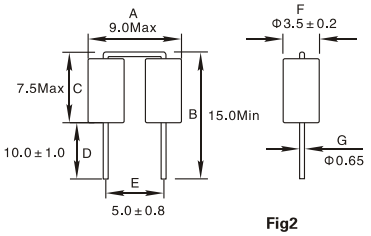


Fig2

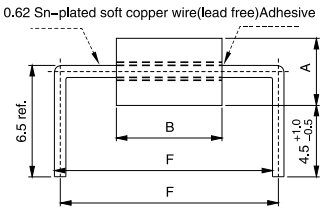


Fig3

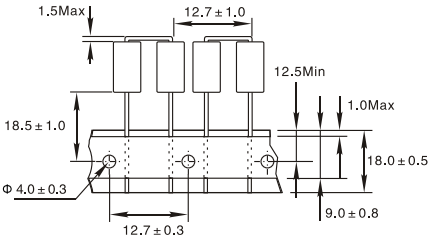


Fig4

Dimensions in mm

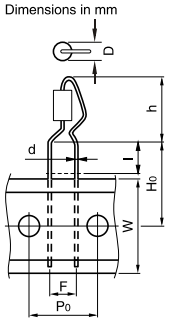


Fig5

Weight: 0.3g

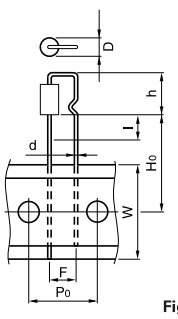


Fig6

Weight: 0.3g

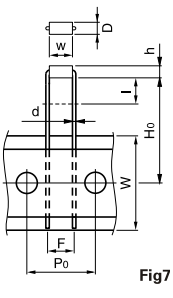


Fig7

Weight: 0.1g

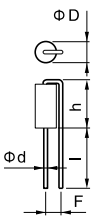


Fig8

Weight: 0.3g

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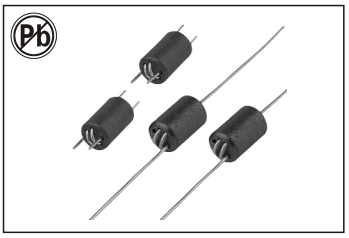
THROUGH–HOLE AXIAL WIDE BAND CHOKES

L-KLS18-R6H SERIES

01,02,03,04,05,06,07



FEATURES:

- Regged construction
- Counter measures for FCC,VDE
- CSA,CE,VCC1
- EMI/RFI suppression
- High reliability
- Long term stability

OPTIONS:

- Packaging:Bulk is standard
- Tolerance:25% is standard

COMMON APPLICATIONS:

- Telecommunication Equipment
- Wireless Communications Equipment
- Computer Products
- General E;ectronic Applications where EMI/RFI suppression is required

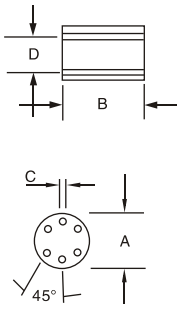
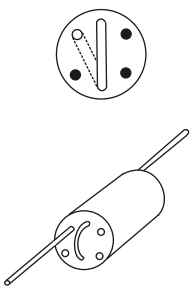
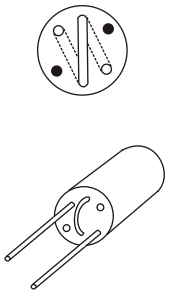
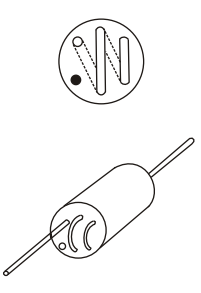
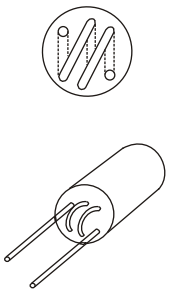
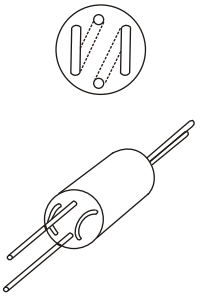
ELECTRICAL CHARACTERISTICS:

Part Number	Number of Turns	Impedance @25MHz	Impedance @100MHz
R6H–01	1.5	300	500
R6H–02	2.0	400	600
R6H–03	2.5	600	800
R6H–04	2.5	500	600
R6H–05	3.0	800	900
R6H–06	3.0	700	600
R6H–07	1.5 × 2	300	500

TECHNICAL INFORMATION:

- Testing:(Equivalent acceptable)
  HP4191A Impedance Analyzer

PHYSICAL CHARACTERISTICS:

CORE	1.5Ts	2Ts	2.5Ts	3Ts	2 × 1.5Ts
					

Ferrite core TYPE	A	B	C	D
R6H 6 × 10	6.0 ± 0.25	10.0 ± 0.30	0.75 ± 0.15	3.5 ref

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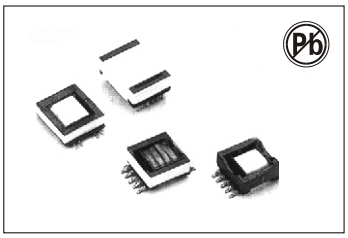


SMD LOW PROFILE SWITCHING TRANSFORMER

L-KLS18-SPT-01SERIES

SPT–01,02,03

FEATURES:

- Multiple Combination
- Series Mode or Parallel Mode
- Low Profile

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

COMMON APPLICATIONS:

- SMPS DC–DC converter
- CMC,Differential
- Flyback,Boost,Buck
- ADSL/VDSL
- Switching power supplier

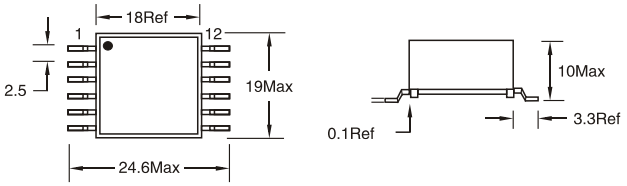
STANDARD SPECIFICATIONS @250C

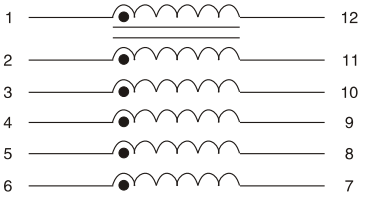
Part Number		L(μH) ±20%	Leakage (μH) Typ.	DCR Max (Ω) Max	1rms Typ (mA) Typ.
SPT–01 EFD–17 Package	SPT-01-3R8	3.8	0.08	0.06	1.8
	SPT-01-5R0	5.0	0.08	0.06	1.8
	SPT-01-6R2	6.2	0.08	0.06	1.8
	SPT-01-11R5	11.5	0.08	0.06	1.8
	SPT-01-700	70	0.08	0.06	1.8
SPT–02 EFD–15 Package	SPT-02-3R8	3.8	0.06	0.07	1.5
	SPT-02-4R5	4.5	0.06	0.07	1.5
	SPT-02-6R8	6.8	0.06	0.07	1.5
	SPT-02-11R3	11.3	0.06	0.07	1.5
	SPT-02-630	63	0.06	0.07	1.5
SPT–03 EFD–20 Package	SPT-03-3R5	3.5	0.11	0.05	2.1
	SPT-03-4R5	4.5	0.11	0.05	2.1
	SPT-03-5R3	5.3	0.11	0.05	2.1
	SPT-03-100	10	0.11	0.05	2.1
	SPT-03-770	77	0.11	0.05	2.1

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

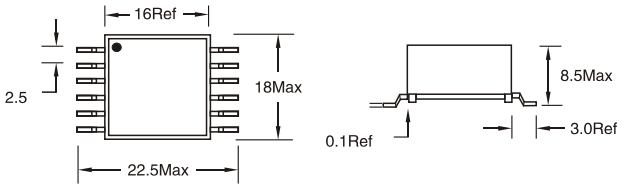
Dimensions:mm

SPT–01

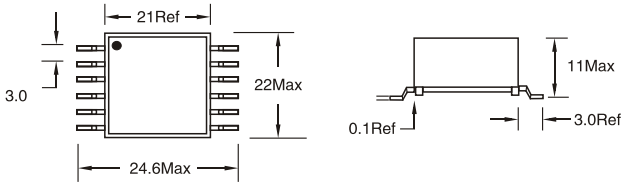




SPT–02



SPT–03

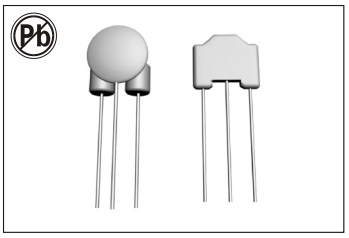


- Inductance measure at Pin 1–2,100KHz 0.1VRms.
- DCR measure at individual winding
- Leakage measure at pin 1–12 with all other windings shorted
- Insulation Resistance: 500 VDC, 1KM Ohm min.
- Turns ratio: 1:1:1:1:1:1
- Soldering temperature:260℃ for 4 ± 1 seconds
- Operating temperature:0℃ to 70℃
- Storage Temperature:–25℃ to 85℃
- Different package available per special request

Note:All specifications subject to change without notice.

THROUGH–HOLE EMI SUPPRESSION FILTER

L-KLS18-PDW SERIES



FEATURES:

- 3 terminal structure
- Heat Resistant Resin
- Excellent Mechanical Strength
- Excellent frequency performance
- High Reliability
- Low

OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
  Bulk packaging available for smaller quantities
- Tolerance:10% and 5% is standard, tighter tolerances available

COMMON APPLICATIONS:

- VCRs, DC/DC AC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

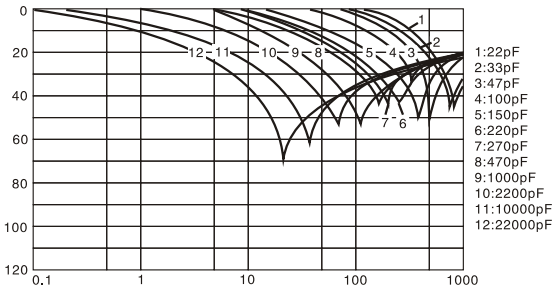
Part Number	Capacitance (pF)	Capacitance Change	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range(℃)
PDW0802-220	22+20%,–20%	±22%	100	6	–25to85
PDW0802-330	33+20%,–20%	±22%	100	6	–25to85
PDW0802-470	47+20%,–20%	±22%	100	6	–25to85
PDW0802-101	100+20%,–20%	±22%	100	6	–25to85
PDW0802-151	150+20%,–20%	±22%	100	6	–25to85
PDW0802-221	220+20%,–20%	±22%	100	6	–25to85
PDW0802-271	270+20%,–20%	±22%	100	6	–25to85
PDW0802-471	470+20%,–20%	±22%	100	6	–25to85
PDW0802-102	1000+20%,–20%	±22%	100	6	–25to85

Part Number	Capacitance (pF)	Capacitance Change	Rated Voltage (Vdc)	Rated Current (A)	Operating Temperature Range(℃)
PDW0802-222	2200+80%,–20%	+22/–56%	100	6	–25to85
PDW0802-103	10000+30%,–30%	+30/–85%	100	6	–25to85
PDW0802-223	22000+80%,–20%	+30/–80%	16	6	–25to85
PDW1205-220	22±20%	+30/–85%	100	7	–25to85
PDW1205-470	47±20%	+30/–80%	100	7	–25to85
PDW1205-101	100±20%	+30/–85%	100	7	–25to85
PDW1205-222	2200±20%	±22%	100	7	–25to85
PDW1205-223	22000+50/–20%	±22%	50	7	–25to85
PDW1205-223A	22000+50/–20%	±10%	50	7	–25to85

Note:1. K=±10%,M=±20%,Y=25%,N=±30%

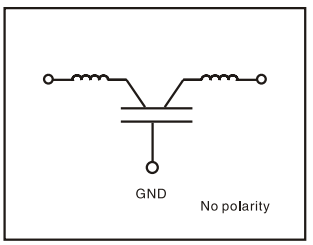
TECHNICAL INFORMATION:

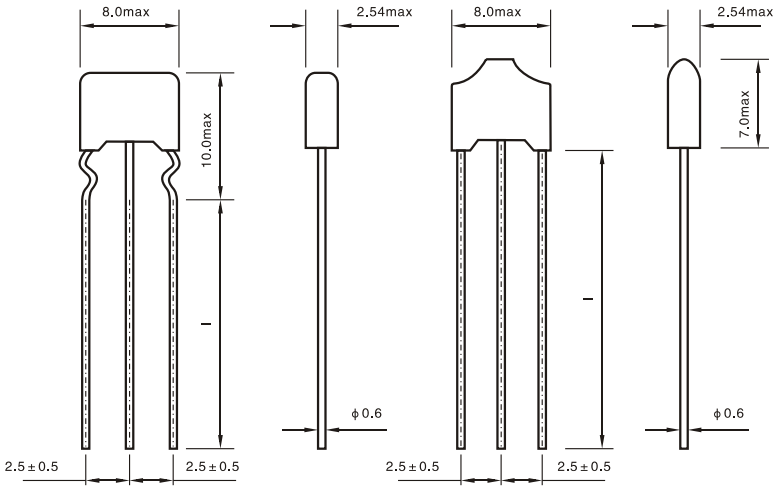
- Insertion Loss: HP4395A
- Impendance –HP4191A
- Operating temperature: –25℃ to +85℃
- Storage Temperature: –40℃ to +105℃
- Solder methods: Vapor Phase,Infrared Reflow
- Resistance to soldering heat: 260℃ for 10 seconds
- Solvent resistance: Conforms to MIL–STD–202E
- Marking: Capacitance code
- Note:All specifications subject to change without notice.

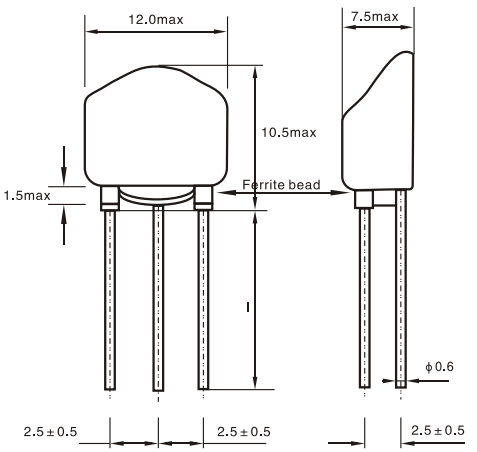


PHYSICAL CHARACTERISTICS:

DIMENSIONS IN:mm







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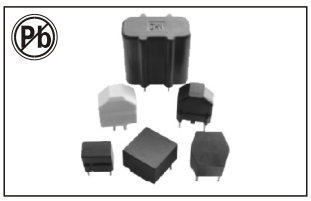


THROUGH–HOLE CURRENT–COMPENSATED CHOKES

L-KLS18-PTRF SERIES

FEATURES:

- 0.3A to 10A ratings
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

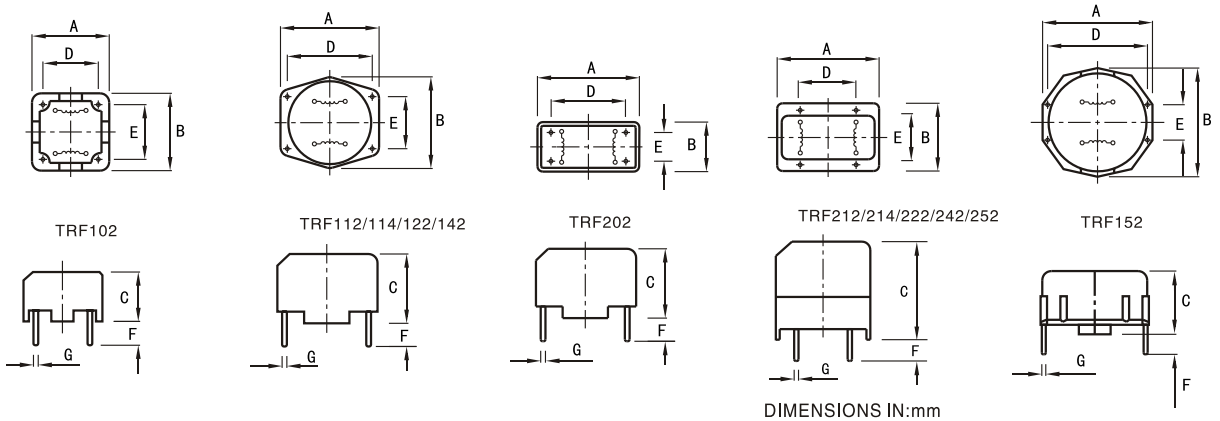
COMMON APPLICATIONS:

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance L mH	Test Freq KHz	DCR mΩ Max	IDC Max A	Part Number	Inductance L mH	Test Freq KHz	DCR mΩ Max	IDC Max A
PTRF102/202-123Y	12	10	1275	0.3	PTRF114/214-332Y	3.3	10	75	2.5
PTRF102/202-452Y	4.5	10	385	0.6	PTRF114/214-202Y	2	10	55	3
PTRF102/202-302Y	3	10	205	1.0	PTRF114/214-152Y	1.5	10	35	4
PTRF102/202-222Y	2.2	10	150	1.5	PTRF122/222-473Y	47	10	1180	0.6
PTRF102/202-102Y	1	10	70	2	PTRF122/222-393Y	39	10	1000	0.8
PTRF112/212-393Y	39	10	1460	0.4	PTRF122/222-183Y	18	10	610	1
PTRF112/212-273Y	27	10	1250	0.5	PTRF122/222-103Y	10	10	220	1.5
PTRF112/212-153Y	15	10	465	0.6	PTRF122/222-682Y	6.8	10	147	2
PTRF112/212-103Y	10	10	370	0.8	PTRF122/222-332Y	3.3	10	45	4
PTRF112/212-682Y	6.8	10	245	1.2	PTRF142/242-683Y	68	10	1600	0.8
PTRF112/212-332Y	3.3	10	135	1.5	PTRF142/242-333Y	33	10	810	1
PTRF112/212-182Y	1.8	10	75	2	PTRF142/242-273Y	27	10	500	1.5
PTRF112/212-102Y	1	10	35	3.5	PTRF142/242-682Y	6.8	10	190	2
PTRF114/214-473Y	47	10	1750	0.3	PTRF142/242-332Y	3.3	10	66	4
PTRF114/214-393Y	39	10	810	0.5	PTRF152/252-683Y	68	10	1300	1
PTRF114/214-273Y	27	10	500	0.8	PTRF152/252-183Y	18	10	350	2
PTRF114/214-153Y	15	10	375	1	PTRF152/252-682Y	6.8	10	87	4
PTRF114/214-103Y	10	10	200	1.2	PTRF152/252-392Y	3.9	10	41	6
PTRF114/214-682Y	6.8	10	130	1.5	PTRF152/252-272Y	2.7	10	22	8

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



DIMENSIONS IN:mm

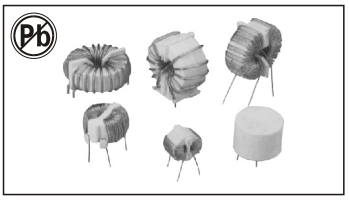
- Note: 102, 112, 114, 142, 122,152 horizontal
  202, 212, 214, 242, 222, 252 vertical
- Inductance tolerance in +50% –30%
- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 1500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

P/N	PTRF102	PTRF112	PTRF114	PTRF122	PTRF202	PTRF212	PTRF214	PTRF222	PTRF242	PTRF142	PTRF152	PTRF252
A	14	17.7	22.5	28	18	18.5	23	27	32	33.5	43	43
B	14	17.2	21.5	27	8.8	13.5	15.5	18	18	32.5	42	25
C	8.5	13.5	13.2	16.5	13.5	20	25	30	35	19.7	25	44
D	10	15	20	25	15.2	15	10	12.5	12.5	30	40	30.5
E	10	10	12.5	15	5.08	10	12.5	15	15	20	15	17.8
F	4	4	4	4	4.5	4	4	0.8	4	4.5	4.5	4.5
G	0.6	0.8	0.8	0.8	0.8	0.8	0.8	4	0.8	0.8	1.2	1.2

Note:All specifications subject to change without notice.

THROUGH–HOLE TOROIDAL COMMON MODE CHOKES

L-KLS18-TRI SERIES



FEATURES:

- 0.3A to 10A ratings
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

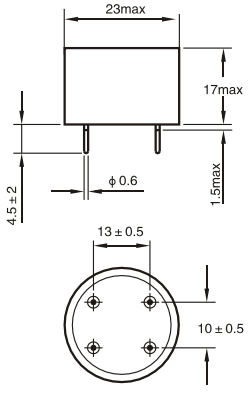
- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

ELECTRICAL CHARACTERISTICS:

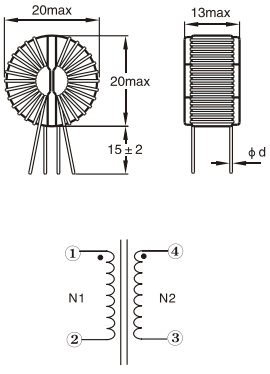
Part Number	Inductance L mH	DCR mΩ Max	IDC Max A	Φd (mm)	Part Number	Inductance L mH	DCR mΩ Max	IDC Max A	Φd (mm)
TRI1814-402Y	4.0	200	1.5	0.51	TRI3525-103Y	10	180	3.5	0.8
TRI1814-202Y	2.2	100	1.5	0.51	TRI3525-802Y	8	110	3.5	0.8
TRI1814-102Y	1	120	1.5	0.51	TRI3525-532Y	5.3	100	4.5	0.8
TRI1814-102Y	1	75	1	0.41	TRI3525-452Y	4.5	50	4	1.0
TRI2317-102Y	1.0	120	2.5	0.6	TRI3525-402Y	4	40	8	1.1
TRI2317-801Y	0.8	120	2.5	0.6	TRI3525-302Y	3	80	6	0.9
TRI2317-601Y	0.6	110	2.5	0.6	TRI3525-232Y	2.3	50	5	0.8
TRI2317-401Y	0.4	100	2.5	0.6	TRI3525-102Y	1	20	10	1.3
TRI2317-201Y	0.2	80	2.5	0.6	TRI3525-701Y	0.7	8	12	1.5
TRI2620-602Y	6.0	160	1.5	0.51	TRI3525-201Y	0.2	6	18	1.8
TRI2620-452Y	4.5	150	2	0.53	TRI3523-852Y	8.5	110	3	0.8
TRI2620-232Y	2.3	100	3	0.69	TRI3523-702Y	5	90	5	0.8
TRI2620-202Y	2	50	4	0.75	TRI3523-502Y	2.3	50	3.3	0.8
TRI2620-102Y	1.2	60	5	0.8	TRI3523-402Y	2	22	6.5	1.0
TRI2620-102Y	1	25	6	0.9	TRI3523-302Y	1.2	21	10	1.3
TRI2620-601Y	0.6	10	9	1.0	TRI3523-232Y	0.5	5	18	1.8
TRI2620-301Y	0.3	8	10	1.2	TRI3523-202Y	10	280	2	0.53
TRI3525-303Y	30	220	3.0	0.8	TRI3523-122Y	7	230	2.5	0.60
TRI3525-143Y	14	220	3.5	0.8	TRI3523-501Y	3	100	4	0.70

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

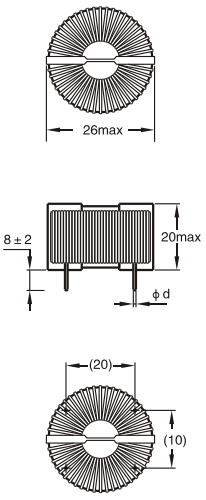
TRI2317



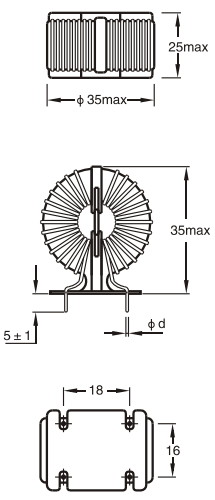
TRI1814



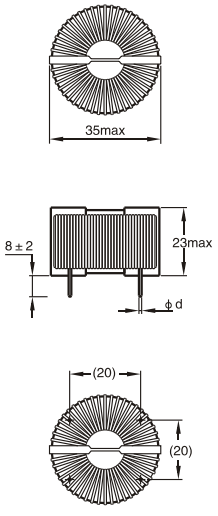
TRI2620



TRI3525



TRI3523



- Inductance tolerance in +50% –30%
- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

DIMENSIONS IN:mm

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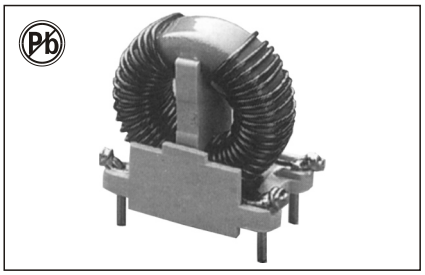


THROUGH-HOLE TOROIDAL COMMON MODE CHOKES

L-KLS18-TRI SERIES

FEATURES:

- 0.3A to 10A ratings
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

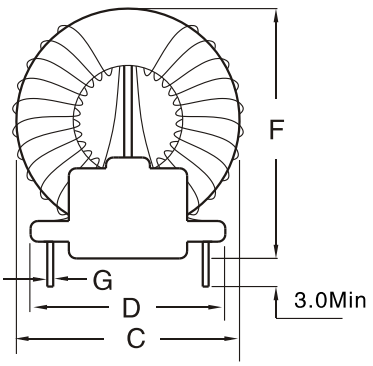
- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

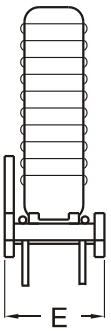
ELECTRICAL CHARACTERISTICS:

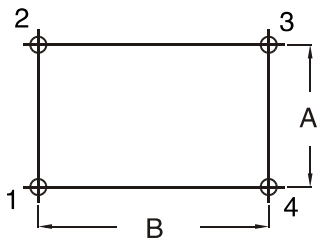
Part Number	Inductance (mH Min.)	RATED RMS Current Amps	DCR each winding (Ohms Max)	Leakage (μH) Type
TRI3518-163Y	16.0	1.5	0.320	180
TRI3518-103Y	10.0	2.2	0.240	130
TRI3518-802Y	8.0	2.5	0.120	90
TRI3518-402Y	4.0	3.5	0.040	45
TRI3518-302Y	3.0	6.0	0.030	35
TRI3518-202Y	2.0	9..0	0.020	25
TRI3518-102Y	1.0	15.0	0.010	12
TRI3622-163Y	16.0	2.2	0.40	180
TRI3622-103Y	10.0	3.0	0.35	130
TRI3622-802Y	8.0	3.5	0.143	85
TRI3622-402Y	4.0	5.4	0.105	45
TRI3622-302Y	3.0	6.5	0.054	35
TRI3622-202Y	2.0	8.7	0.020	25
TRI3622-122Y	1.2	15	0.010	12

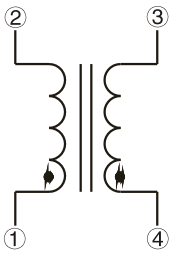
Part Number	Inductance (mH Min.)	RATED RMS Current Amps	DCR each winding (Ohms Max)	Leakage (μH) Type
TRI4525-563Y	56.0	1.8	1.0	550
TRI4525-333Y	33.0	2.0	0.730	300
TRI4525-223Y	22.0	3.2	0.352	280
TRI4525-153Y	15.0	4.2	0.132	150
TRI4525-123Y	12.0	6.8	0.098	95
TRI4525-502Y	5.0	12	0.035	50
TRI4525-302Y	3.0	15	0.009	20
TRI5230-124Y	120.0	1.5	1.15	900
TRI5230-723Y	72..0	2.6	0.50	600
TRI5230-333Y	33.0	4.2	0.124	450
TRI5230-223Y	22.0	6.0	0.117	180
TRI5230-153Y	15.0	9.0	0.060	180
TRI5230-103Y	10.0	15	0.033	120
TRI5230-602Y	6.0	18	0.028	100

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:









DIMENSIONS IN:mm

- Inductance tolerance in +50% –30%
- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

Part number	A	B	C	D	E	F	G
TRI3518	10.16	20.32	34.3	25.4	17.78	31.52	1.2
TRI3622	15.24	22.86	36.83	27.94	22.86	33.5	1.2
TRI4525	17.78	30.48	44.45	35.56	25.4	44.7	1.2
TRI5230	22.86	38.1	52.07	43.18	30.48	58.0	1.2

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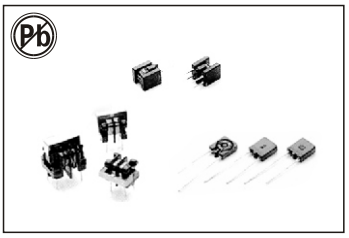
HIGH FREQUENCY EMI FILTERS

L-KLS18-ETI SERIES

01,02,03,04



FEATURES:

- High Frequency Design
- Against radiated noise
- High Reliability
- Auto insertion

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

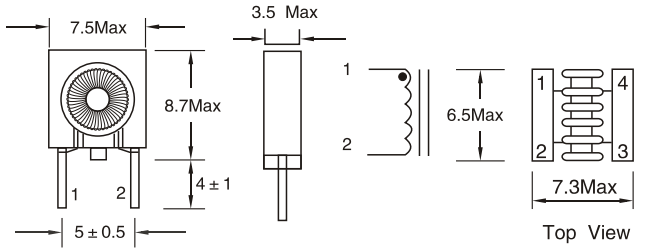
- PC,Word processors.
- SMPS and switching AC adaptors
- Against CMC noise at composite Video signa dataline EMI suppressionl

STANDARD SPECIFICATIONS

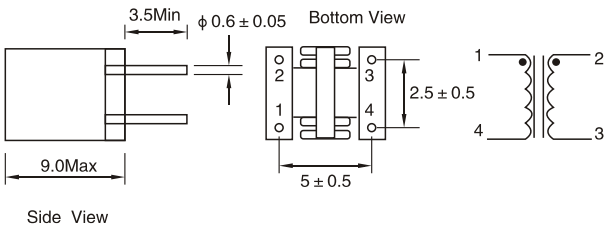
Part Number	Inductance 1KHZ,1V μH ±35%	Rdc mΩ Max.	Turns Ratio ±0.2%	Insulation Resistance 100MΩ min	Part Number	Inductance 1KHZ,1V μH Min	Rdc Ω Max.	Turns Ratio ±0.2%	Hi–Pot Isolation Voltage
ETI-01-100M	10	20	–	500VDC	ETI-03-102M	1000	0.9	1 : 1	2500V
ETI-01-300M	30	30	–	500VDC	ETI-03-332M	3300	1.2	1 : 1	2500V
ETI-01-500M	50	30	–	500VDC	ETI-03-702M	7000	2.5	1 : 1	2500V
ETI-01-700M	70	34	–	500VDC	ETI-03-333M	33000	13.5	1 : 1	2500V
ETI-02-100M	10	50	1 : 1	500VDC	ETI-04-222M	2200	1.0	1 : 1	2500V
ETI-02-300M	30	50	1 : 1	500VDC	ETI-04-502M	5000	1.6	1 : 1	2500V
ETI-02-500M	50	60	1 : 1	500VDC	ETI-04-143M	14000	5.5	1 : 1	2500V
ETI-02-800M	80	60	1 : 1	500VDC	ETI-04-433M	43000	14.5	1 : 1	2500V

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

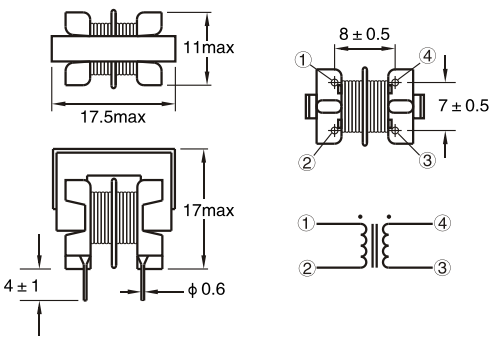
ETI -01-XX



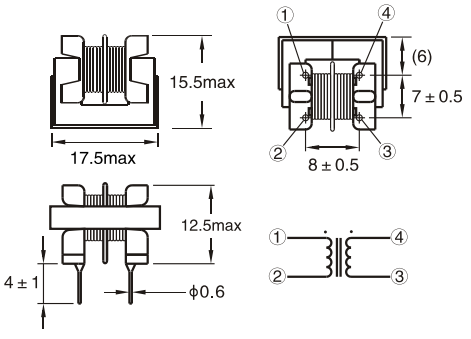
ETI -02-XX



ETI -03-XX



ETI -04-XX



All dimensions are in mm

- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 85℃
- Storage Temperature:–25℃ to 85℃

Note:All specifications subject to change without notice.

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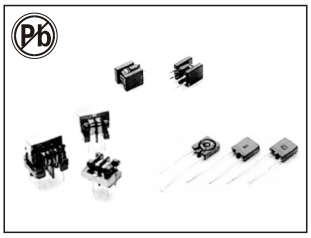


HIGH FREQUENCY EMI FILTERS

L-KLS18-ETI SERIES

05,06,07,08

FEATURES:

- High Frequency Design
- Against radiated noise
- High Reliability
- Auto insertion

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

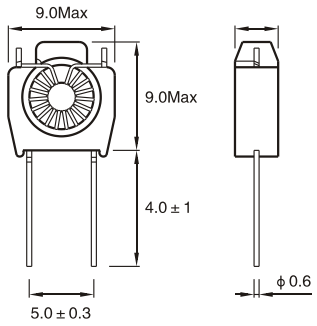
- PC,Word processors.
- SMPS and switching AC adaptors
- Against CMC noise at composite Video signal

STANDARD SPECIFICATIONS

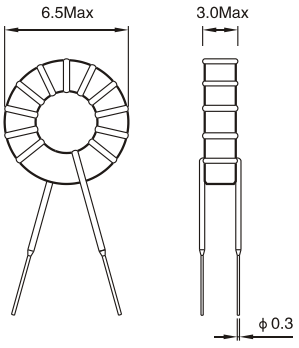
ETI-05 Series				ETI-08 Series					
Part Number	Inductance 1KHZ,1V μH ±35%	Rdc mΩMax.	Rated Current (A) Max	Part Number	Inductance 1KHZ,1V μH ±35%	Rated Current (A) Max	Rdc mΩMax.	Turns Ratio ±0%	Hi-Pot Isolation Voltage
ETI-05-100M	10	20	1.5	ETI-08-100M	10	2.0	50	1 : 1	500V
ETI-05-300M	30	30	1.5	ETI-08-200M	20	1.5	50	1 : 1	500V
ETI-05-500M	50	50	1.5	ETI-08-500M	50	1.5	50	1 : 1	500V
ETI-05-600M	60	60	1.00	ETI-08-600M	60	1.5	80	1 : 1	500V
ETI-06-100M	10	20	1.5	ETI-08-800M	80	1.5	80	1 : 1	500V
ETI-06-200M	20	30	1.5	ETI-08-101M	100	1.0	100	1 : 1	500V
ETI-07-100M	10	50	3.0	ETI-08-201M	200	0.6	150	1 : 1	500V

PHYSICAL CHARACTERISTICS

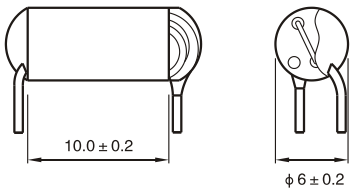
ETI-05-XX



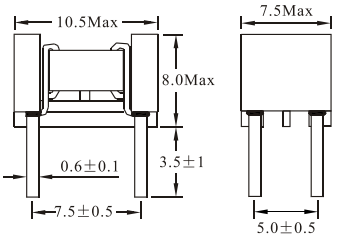
ETI-06-XX



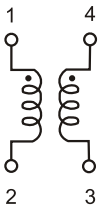
ETI-07-XX



ETI-08-XX



Circuit diagram



(Unit:m/m)

All dimensions are in mm

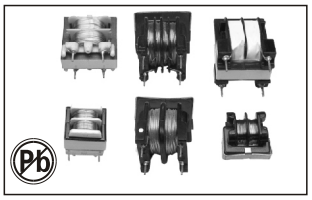
TECHNICAL INFORMATION:

- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi-Pot 2500Vac winding to winding 3S.
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 85℃
- Storage Temperature:-25℃ to 85℃

Note:All specifications subject to change without notice.

THROUGH–HOLE COMMON MODE CHOKES

L-KLS18-LF SERIES



FEATURES:

- 0.3A to 10A ratings,low temperature rise
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment

It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

ELECTRICAL CHARACTERISTICS:

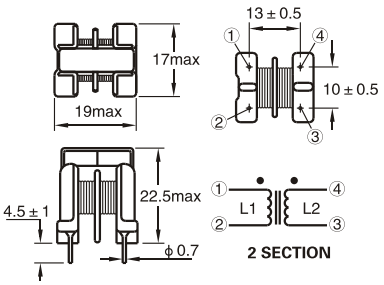
Part Number	Inductance L mH	Inductance Tolerence (uH)Max	DCR Ω Max	IDC Max A	Part Number	Inductance L mH	Inductance Tolerence (uH)Max	DCR Ω Max	IDC Max A
LF2327–453Y	45.0	200	2.5	0.5	LF1922–601Y	0.6	50	0.15	1.5
LF2327–323Y	32.0	20	2.0	0.5	LF1922–601Y	0.6	50	0.12	2.0
LF2327–253Y	25.0	160	1.2	0.5	LF1922–103Y	10.0	300	2.0	0.3
LF2327–203Y	20.0	160	1.2	0.5	LF1922–502Y	5.0	200	1.2	0.5
LF2327–143Y	14.0	140	1.0	0.5	LF1922–302Y	3.0	60	0.5	0.9
LF2327–103Y	10.0	140	0.8	0.8	LF1922–202Y	2.0	100	0.4	1.0
LF2327–792Y	7.9	100	0.8	0.8	LF1922–102Y	1.0	100	0.4	1.0
LF2327–602Y	6.0	100	0.8	0.8	LF3221–503Y	50	300	3.0	0.3
LF2327–402Y	4.0	100	0.7	0.8	LF3221–353Y	35	260	2.0	0.5
LF2327–252Y	2.5	80	0.6	0.8	LF3221–253Y	25	230	1.2	0.8
LF2327–182Y	1.8	80	0.6	0.8	LF3221–203Y	20	200	0.7	0.9
LF2327–102Y	1.0	60	0.4	1.0	LF3221–163Y	16	180	0.5	1.0
LF1922–752Y	7.5	100	2.0	0.4	LF3221–123Y	12	150	0.4	1.0
LF1922–502Y	5.0	200	2.0	0.3	LF3221–103Y	10	120	0.25	2.0
LF1922–302Y	3.0	150	1.2	0.5	LF3221–752Y	7.5	100	0.2	2.0
LF1922–202Y	2.0	100	0.4	1.0	LF3221–502Y	5.0	80	0.15	3.0
LF1922–102Y	1.0	100	0.4	1.0	LF3221–302Y	3.0	60	0.1	3.0
LF1922–102Y	1.0	50	0.14	1.6	LF3221–152Y	1.5	50	0.06	4.0
LF1922–801Y	0.8	50	0.2	1.5	LF3221–102Y	1.0	50	0.03	5.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

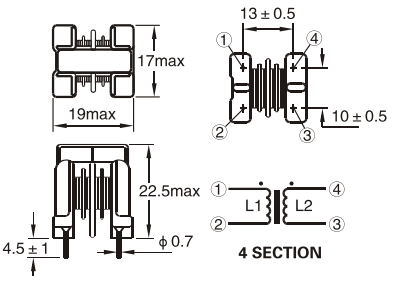
- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500V AC winding to winding 3S.
- Insulation resistance 100MΩ Min DC 500V
- Temperature Rise Max:40℃
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

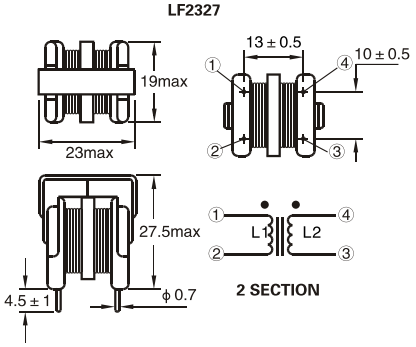
LF1922



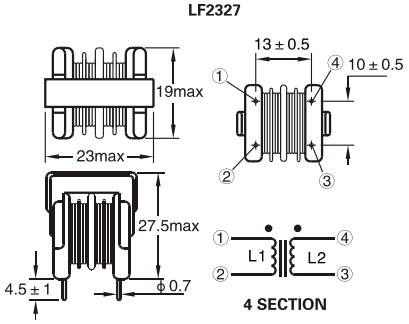
LF1922



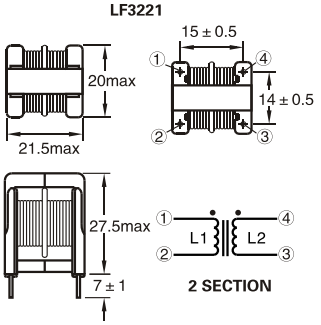
LF2327



LF2327



LF3221



DIMENSIONS IN:mm

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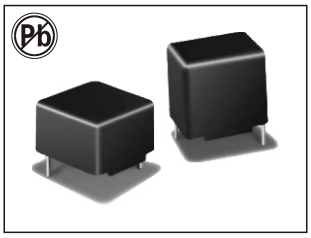


ENCAPSULATED LOW PROFILE/VERTICAL TOROIDAL COILS

L-KLS18-AICT-LP/VM SERIES

FEATURES:

- High saturation material
- Support rapid load change
- Low power losses
- Long term stability
- High reliability
- Low DC resistance

OPTIONS:

- Packaging:Bulk is standard
- Mounting:(LP/VM)Low Profile and (VM)Vertical Mount is standard

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- EMI/RFI suppression
- DC line Filters

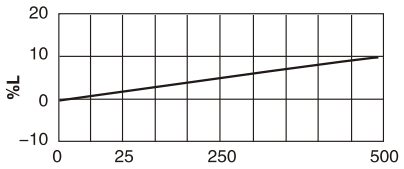
STANDARD SPECIFICATIONS

Part Number	L (μH) Typical	IDC Amps Max	Max ETop V–μ secretary	L no DC (μH) Max	1000Hz Test Volts no DC	DCR (Ω) Max	Energy Storage (μj) Min
AICT–LP/VM–151M	150	1.7	80	175	.050	.42	215
AICT–LP/VM–221M	220	1.5	90	225	.070	.42	240
AICT–LP/VM–331M	330	1.0	100	380	.080	.78	165
AICT–LP/VM–471M	470	.90	120	540	.100	1.10	190
AICT–LP/VM–681M	680	.85	175	790	.120	1.25	245
AICT–LP/VM–821M	820	.75	175	950	.130	2.30	230
AICT–LP/VM–102M	1000	.50	175	1150	.140	2.40	125

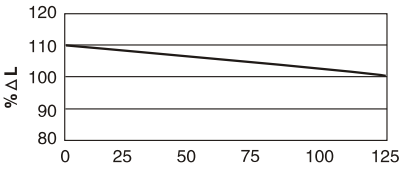
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Testing: 10kHz 0,1 Vac HP4284A
  Inductance: Typical @ IDC values
- IDC Max:Rated for 40℃ temperature rise
  Derate current at 20℃ at ETop
- Electrical characteristics measured @ 20℃
- Temperature range: –30℃ to +130℃
- Mounting:Add(LP/VM),(VM) as Suffix to Part Number

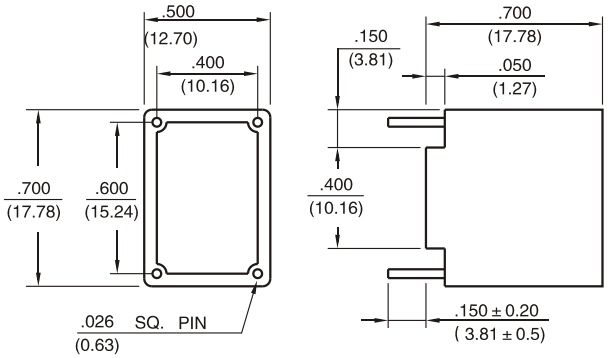
Note:All specifications subject to change without notice.



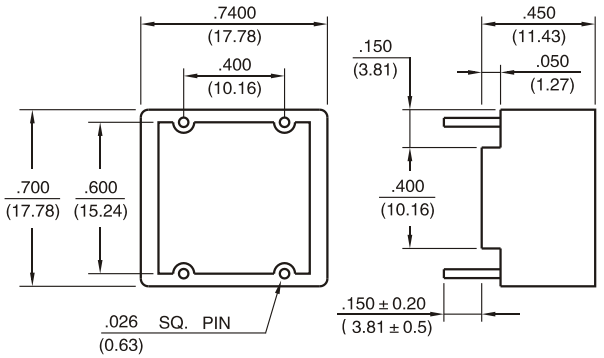
Inductance variance Vs. ET



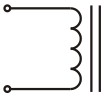
Inductance variance Vs. Load Current



VERTICAL PACKAGE



LOW PROFILE PACKAGE

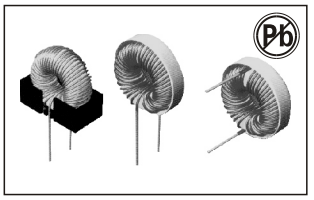


Dimensions:

Inches(mm)
± .010(± .25) Except as noted

HIGH CURRENT VERTICAL/HORIZONTAL TOROIDAL COILS

L-KLS18-TR SERIES



FEATURES:

- High saturation material
- Wide inductance range
- High current capability
- Long term stability
- High reliability
- Low DC resistance

OPTIONS:

- Packaging :Bulk is standard
- Tolerance:20% is standard, tighter tolerances available
- Mounting:(V)ertical is standard, (H)orizonatl available
- Inductance :Optional request available

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- EMI/RFI suppression
- Filters

ELECTRICAL CHARACTERISTICS:

Part Number	Inductance (μH)	I Rated (A)	Dia. (mm)	Width (mm)	Wire (AWG)	Klip Mount
TR30–100M	10	2.5	10.5	5.5	24	KM–1
TR44–100M	10	3.0	14.2	8.5	20	KM–2
TR44–121M	120	1.1	14.2	7.5	23	KM–2
TR44–102M	1000	.50	14.2	6.0	30	KM–2
TR50–5R0M	5.0	5.0	15.2	9.5	18	–
TR50–100M	10	3.0	16.5	8.5	18	KM–3
TR50–250M	25	2.5	13.5	6.5	23	KM–3
TR50–101M	100	2.0	15.5	8.5	22	KM–3
TR50–251M	250	1.0	16.0	8.0	24	KM–3
TR50–331M	330	1.0	16.5	9.0	26	–
TR60–250M	25	2.5	17.7	8.8	24	KM–3
TR67–500M	50	5.5	22.0	11.0	18	KM–4
TR67–101M	100	5.0	21.0	13.0	18	KM–4
TR67–100M	10	2.5	20.0	7.5	23	KM–4
TR68–250M	25	6.0	20.8	8.2	18	KM–4
TR68–500M	50	5.0	21.0	8.2	18	KM–4
TR68–251M	250	3.0	22.0	10.0	19	–
TR72–102M	1000	1.0	21.5	9.0	21	KM–4
TR77–501M	500	2.0	23.7	11.0	22	–

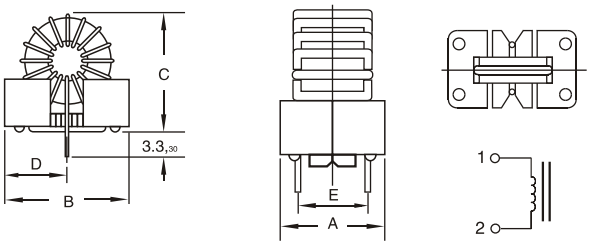
Part Number	Inductance (μH)	I Rated (A)	Dia. (mm)	Width (mm)	Wire (AWG)	Klip Mount
TR80–250M	25	6.0	28.0	9.5	16	–
TR80–101M	100	5.0	25.0	12.0	18	KM–4
TR80–251M	250	3.0	25.0	12.0	20	–
TR80–961M	960	1.0	24.0	11.0	25	KM–4
TR80–822M	8200	1.0	28.0	10.0	20	–
TR94–100M	10	5.0	27.9	12.7	17	KM–5
TR94–251M	250	5.0	29.0	10.0	18	KM–5
TR94–501M	500	6.0	29.0	15.5	16	KM–5
TR94–751M	750	4.5	30.5	12.7	19	KM–5
TR94–102M	1000	4.0	29.2	15.0	20	KM–5
TR106–500M	50	7.0	33.0	16.0	15	–
TR106–101M	100	5.0	33.5	17.5	16	–
TR106–201M	200	3.0	32.0	14.0	22	–
TR106–471M	470	6.0	35.0	21.0	16	–
TR130–121M	120	10.0	42.0	21.0	12	–
TR130–251M	250	8.0	40.0	20.0	14	–
TR130–561M	560	5.0	36.8	22.2	18	–
TR141–100M	10	10.0	44.0	18.0	12	–

Plase specify(V)for vertical or(H)for horizontal.(–)

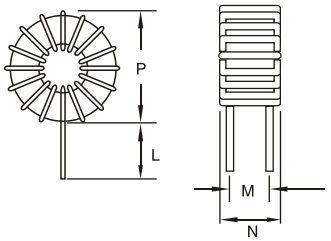
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Testing: (Equivalent acceptable)
  Inductance:Measured at 1kHz 0.1V HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Losers inductance by 10%
  Temperature range: –55℃ to +125℃
  –55℃ to +85℃ at full rated current
- Mounting:Add(V),(H) as Suffix to Part Number

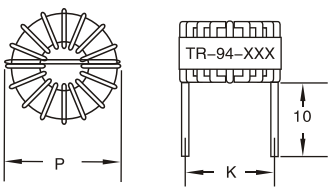
Note:All specifications subject to change without notice.



Standard Package



Vertical Package

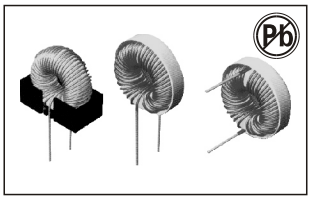


Low profile Package

Klip Mount	A Max	B Max	C Max	D Typical	E Typical
Km1	8.7	14.8	16.5	7.37	5.6
Km2	11.5	16.5	17.8	8.26	7.6
Km3	11.5	21.5	24.5	10.54	7.6
Km4	15.5	24.6	28.0	12.07	11.5
Km5	17.8	33.5	35.5	15.88	12.7

All dimension in mm

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



VERTICAL/HORIZONTAL TOROIDAL COILS

L-KLS18-TC Series

FEATURES:

- High saturation material
- Wide inductance range
- High current capability
- Long term stability
- High rliability
- Low DC resistance

OPTIONS:

- Packaging:Bulk is standard
- Tolerance:20% is standard, tighter tolerances available
- Mounting:(V)ertical is stantard, (H)orizonatl available
- Inductance:Optional vaqlues available

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- EMI/RFI suppression
- Filters

ELECTRICAL CHARACTERISTICS:

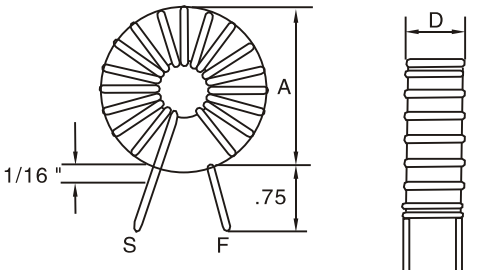
Part Number	L μH	IDC Max A	RDC Ω Max	Din E
TC-50M	5.0	.50	.007	7.5×4.5
TC-80M	8.0	2.0	.017	14.5×7.0
TC-100M	10.0	2.0	13.0	12.0×7.0
TC-150M	15.0	2.0	.023	15.5×7.5
TC-200M	20.0	3.0	.021	17.5×9.0
TC-240M	24.0	1.0	.055	13.5×6.0
TC-250M	25.0	5.0	.016	24.0×10.5
TC-290M	29.0	4.0	.020	21.0×11.0
TC-300M-2(A)	30.0	2.0	.035	17.0×8.5
TC-300M-10(A)	30.0	10.0	.009	36.0×19.5
TC-350M-3(A)	35.0	3.0	.026	20.5×10.5
TC-350M-10(A)	35.0	10.0	.010	36.0×19.5
TC-430M-1(A)	43.0	1.0	.074	14.5×7.0
TC-430M-3(A)	43.0	3.0	.030	23.0×9.5
TC-500M	50.0	5.0	.022	26.5×12.5
TC-600M	60.0	3.0	.038	18.0×10.0
TC-680M-1(A)	68.0	1.0	.095	13.5×6.5
TC-680M-7(A)	68.0	7.0	.021	34.0×18.0
TC-750M-3(A)	75.0	3.0	.039	25.5×11.0
TC-750M-10(A)	75.0	10.0	.014	42.0×19.5
TC-820M-3(A)	82.0	3.0	.042	24.5×10.5
TC-820M-5(A)	82.0	5.0	.033	31.5×15.5
TC-820M-7(A)	82.0	7.0	.023	34.5×18.0
TC-900M-3(A)	90.0	3.0	.044	20.5×12.5
TC-900M-5(A)	90.0	5.0	.034	29.5×15.5
TC-101M-2.5(A)	100.0	2.0	.081	17.0×9.0
TC-101M-5(A)	100.0	5.0	.033	26.5×12.5
TC-101M-5(A)	100.0	5.0	.036	33.5×17.0

Part Number	L μH	IDC Max A	RDC Ω Max	Din E
TC-111M-2(A)	110.0	2.0	.069	19.5×10.0
TC-111M-2(A)	110.0	2.0	.074	25.0×10.0
TC-111M-4(A)	110.0	4.0	.042	23.5×11.0
TC-131M-1(A)	130.0	1.0	.146	19.0×9.0
TC-131M-3(A)	130.0	3.0	.055	23.0×10.5
TC-131M-5(A)	130.0	3.0	.061	29.0×13.0
TC-131M-7(A)	130.0	7.0	.031	41.0×18.0
TC-141M-1(A)	140.0	1.0	.140	15.0×7.5
TC-141M-3(A)	140.0	3.0	.064	28.0×14.5
TC-151M-1(A)	150.0	1.0	.159	21.5×7.5
TC-151M-4(A)	150.0	4.0	.053	32.5×16.5
TC-151M-5(A)	150.0	5.0	.042	27.0×13.5
TC-201M-2(A)	200.0	2.0	.114	28.0×14.0
TC-201M-3(A)	200.0	3.0	.078	31.0×16.0
TC-201M-5(A)	200.0	5.0	.056	39.0×17.0
TC-221M-1(A)	220.0	1.0	.190	16.5×8.0
TC-221M-4(A)	220.0	4.0	.059	26.5×13.0
TC-251M	250.0	10.0	.027	42.5×21.5
TC-271M	270.0	3.0	.081	26.0×12.0
TC-301M	300.0	3.0	.142	31.5×15.5
TC-301M	300.0	2.0	.064	30.0×15.5
TC-391M	390.0	5.0	.088	29.5×15.0
TC-451M	450.0	4.0	.174	28.0×14.0
TC-501M	500.0	2.0	.124	29.0×14.0
TC-681M	680.0	3.0	.105	39.0×18.5
TC-781M	780.0	5.0	.225	28.5×13.5
TC-851M	850.0	2.0	.211	32.5×16.5
TC-961M	960.0	2.0	.438	25.0×11.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Testing: (Equivalent acceptable)
  Inductance:Measured at 1kHz 0.1V HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Losers inductance by 10%
  Temperature range: –55℃ to +125℃
  –55℃ to +85℃ at full rated current
- Mounting:Add(V),(H) as Suffix to Part Number

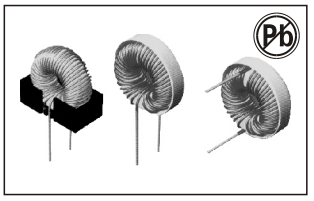
Note:All specifications subject to change without notice.



Leads tinned to within 1/16 " of core

VERTICAL/BASE MOUNT TOROIDAL COILS

L-KLS18-TF SERIES



FEATURES:

- High saturation material
- Wide inductance range
- High current capability
- Long term stability
- High reliability
- Low DC resistance

OPTIONS:

- Packaging:Bulk is standard
- Mounting:(V)ertical is standard and (B)ase mount is standard (H)orizontal Mounting available
- Inductance:Optional values available

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- EMI/RFI suppression
- Filters

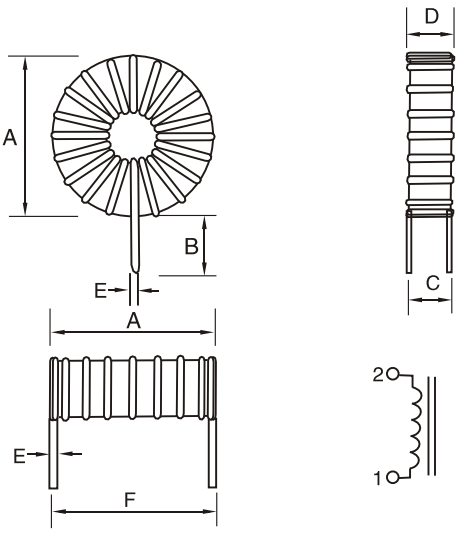
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	IDC Max A	RDC Ω Max	Lead Dia	L ± 0.75	P Max	N Max	A ± 0.10	B ± 0.10	C Max	D Typical	E Typical	F Typical
TF-5R0M	5	2.5	.03	.020	.425	.550	.250	.340	.580	.640	.290	.110	.25
TF-250M	25	2.5	.04	.020	.425	.550	.250	.340	.580	.640	.290	.110	.25
TF-500M	50	2.5	.07	.020	.425	.640	.330	.450	.650	.730	.325	.150	.25
TF-101M	100	2.5	.10	.020	.425	.840	.340	.450	.830	.940	.415	150	.25
TF-350M	35	2.5	.04	.025	.425	.640	.340	.450	.650	.730	.325	.150	.25
TF-700M	70	3.0	.05	.025	.425	.860	.360	.450	.830	.960	.415	.150	.25
TF-14.51M	145	3.0	.09	.025	.425	.970	.470	.600	.950	1.060	.475	.225	.25
TF-28.51M	285	3.0	.14	.025	.925	1.210	.550	.700	1.250	1.300	.625	.250	.25
TF-451M	450	3.0	.20	.025	.925	1.490	.580	–	–	–	–	–	–
TF-101M	100	3.5	.04	.032	.425	.950	.500	.600	.950	1.060	.475	.225	.25
TF-16.51M	165	4.0	.07	.032	.925	1.230	.560	.700	1.250	1.330	.625	.250	.25
TF-271M	270	4.0	.10	.032	.925	1.530	.590	–	–	–	–	–	–
TF-400M	40	4.0	.03	.032	.425	.840	.380	.450	.830	.940	.415	.150	.25
TF-101M	100	5.0	.04	.042	.925	1.240	.600	.700	1.250	1.370	.625	.250	.25
TF-171M	170	5.0	.05	.042	.925	1.480	.600	–	–	–	–	–	–
TF-500M	55	5.0	.02	.042	.425	1.00	.510	.600	950	1.070	.475	.225	.25
TF-950M	95	7.0	.03	.051	.925	1.510	.620	–	–	–	–	–	–0
TF-550M-7(A)	55	7.0	.02	.051	.925	1.300	.610	.700	1.250	1.440	.625	.250	.25
TF-550M-10(A)	55	10.0	.02	.064	.925	1.540	.650	–	–	–	–	–	–
TF-251M	250	10.0	.20	.020	.425	.840	.340	.450	.830	.960	.415	.150	.25

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

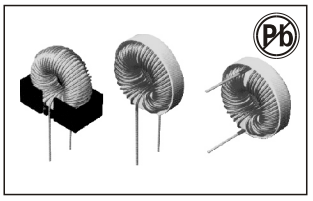
- Testing: (Equivalent acceptable)
  Inductance:Measured at 1kHz 0.1V HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Losers inductance by 10%
  Temperature range: –55℃ to +125℃
  –55℃ to +85℃ at full rated current
- Mounting:Add(V),(H) as Suffix to Part Number

Note:All specifications subject to change without notice.



Dimensions:Inches

Add: NO. 8-1, RONGXIA RD. XIAPU SHANQIAN INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.
Email:sales@cnkls.com Tel: 0086-574-86828566



VERTICAL/HORIZONTAL /BASE MOUNT TOROIDAL COILS

L-KLS18-TF SERIES

FEATURES:

- High saturation material
- Wide inductance range
- Heigh current capability
- Long term stability
- High rliability
- Low DC resistance

OPTIONS:

- Packaging:Bulk is standard
- Mounting:(V)ertical and (H)orizonatl is standard
- Inductance:Optional values available

COMMON APPLICATIONS:

- Switching Regulators
- Automotive Systems
- Power Amplifiers
- Power Supplies
- SCR and Triac Controls
- Speaker Crossover Networks
- EMI/RFI suppression
- Filters

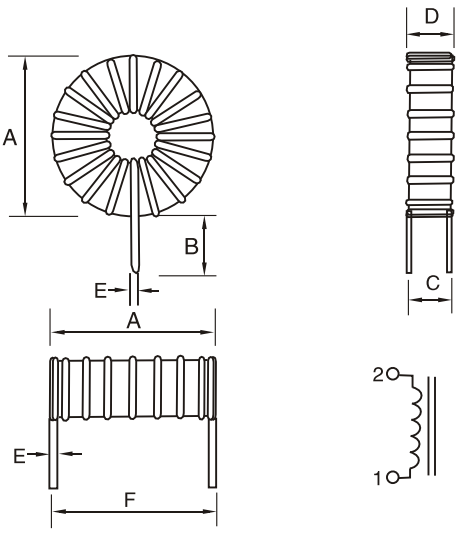
ELECTRICAL CHARACTERISTICS:

Part Number	L μH	IDC Max A	RDC Ω Max	A Max	B Typical	C Ref	D Typical	E Typical	F Typical
TF-200M-1(A)	20	1.0	.062	.350	.500	.220	.250	.013	.325
TF-200M-2(A)	20	2.0	.029	.500	.500	.240	.300	.020	.460
TF-200M-5(A)	20	5.0	.020	.940	.500	.570	.640	.032	.876
TF-500M-1(A)	50	1.0	.061	.600	.500	.300	.340	.020	.560
TF-500M-2(A)	50	2.0	.025	.850	.500	.450	.500	.032	.786
TF-500M-5(A)	50	5.0	.021	1.250	.500	.675	.750	.040	1.210
TF-500M-7(A)	50	7.0	.013	1.500	.500	.575	.650	.051	1.398
TF-500M-10(A)	50	10.0	.016	1.800	.500	.700	.775	.051	1.698
TF-101M-1(A)	100	1.0	.085	.620	.500	.425	.475	.020	.580
TF-101M-2(A)	100	2.0	.040	.950	.500	.600	.640	.032	.886
TF-101M-5(A)	100	5.0	.028	1.500	.500	.575	.629	.040	1.420
TF-151M-5(A)	150	5.0	.042	1.750	.500	.680	.750	.040	1.670
TF-251M-1(A)	250	1.0	.168	.800	.500	.450	.475	.018	.764
TF-251M-2(A)	250	2.0	.070	1.250	.500	.675	.725	.032	1.186
TF-501M-1(A)	500	1.0	.276	.925	.500	.570	.600	.018	.889
TF-501M-2(A)	500	2.0	.147	1.450	.500	.550	.575	.025	1.400

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Testing: (Equivalent acceptable)
  Inductance:Measured at 1kHz 0.1V HP4284A
  RDC:QuadTech 1880 Milliohmmeter
- IDC Max:Losers inductance by 10%
  Temperature range: –55℃ to +125℃
  –55℃ to +85℃ at full rated current
- Mounting:Add(V),(H) as Suffix to Part Number

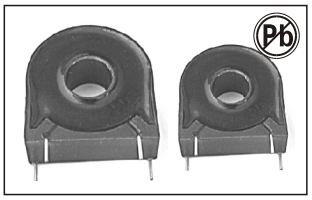
Note:All specifications subject to change without notice.



Dimensions:Inches

THROUGH-HOLE CURRENT SENSOR TRANSFORMER

L-KLS18-CT010-013SERIES



FEATURES:

- Low profile,directly to PCB.
- PBT 94V0 Case
  burn–resistant epoxy resin,stable.

OPTIONS:

- Bulk is standard
- Custom design acceptable

COMMON APPLICATIONS:

- AC energy Meter Power transducer RTU
- Protection current transformer
- AC kilowatt hour meter
- Electronical monitoring system

ELECTRICAL CHARACTERISTICS:

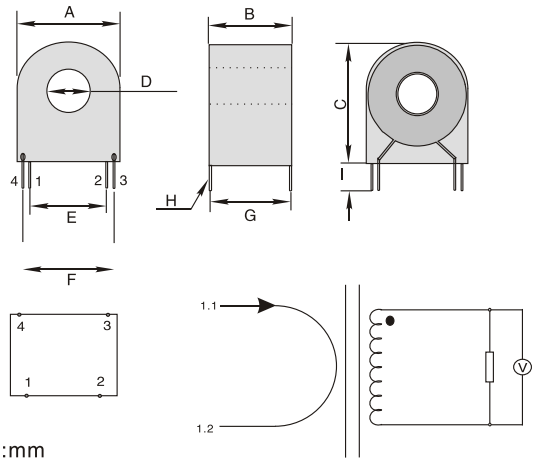
Performance&Specification for High Precision Current Test						
Part Number	Rated primary current(A)	Max primary current(A)	Rated secondary current(mA)	Current ratio	Output ratio (Ω)	Accuracy class
CT-010A/5	5	40	2.5	2000:1	100	0.2,0.5
CT-010A/10	10	40	4	2500:1	100	0.2,0.5
CT-010A/20	20	40	10	2000:1	100	0.1,0.2,0.5
CT-011A/10	10	60	4	2500:1	100	0.1,0.2,0.5
CT-011A/20	20	60	10	2000:1	100	0.1,0.2,0.5
CT-011A/40	40	60	20	2000:1	100	0.1,0.2,0.5
CT-012A/60	60	120	24	2500:1	100	0.1,0.2,0.5
CT-012A/80	80	120	32	2500:1	100	0.1,0.2,0.5
CT-012A/120	120	120	48	2500:1	100	0.1,0.2,0.5
CT-013A/100	100	200	40	2500:1	100	0.1,0.2,0.5
CT-013A/100	100	200	50	2000:1	100	0.1,0.2,0.5
CT-013A/200	200	200	80	2500:1	100	0.1,0.2,0.5

Performance&Specification for Protection Precision Current Test						
Part Number	Rated primary current(A)	Max primary current(A)	Rated secondary current(mA)	Resistance load (Ohm)	Output ratio (Ω)	Accuracy class
CT-010B	5	60	5	100	0.5	0.5,1.0
CT-010B	10	60	10	100	1.0	0.5,1.0
CT-010B	15	60	15	100	1.5	0.5,1.0
CT-011B	20	60	20	100	2.0	0.5,1.0
CT-011B	25	75	25	100	2.5	0.5,1.0
CT-011B	30	75	30	100	3.0	0.5,1.0
CT-012B	40	75	40	100	4.0	0.5,1.0
CT-012B	50	125	50	100	5.0	0.5,1.0
CT-012B	60	125	60	100	6.0	0.5,1.0
CT-013B	75	125	75	100	7.5	0.5,1.0
CT-013B	100	250	100	100	10.0	0.5,1.0
CT-013B	150	250	150	100	15.0	0.5,1.0

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Working Frequency range 20Hz~400Hz
- Insulation resistance: 500V DC >100MΩ
- Hi–Pot : 4000V 1mA 60S
- Temperature range: –25℃ to +85℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.



DIMENSIONS IN:mm

	A	B	C	D	E	F	G	H	I
CT-010	23.5	12.5	25.0	7.0	15.0	18.5	10.5	1.0	6.0
CT-011	26.0	17.0	29.0	9.0	15.0	18.5	15.0	1.0	6.0
CT-012	37.0	14.0	39.0	13.0	25.0	32.5	11.0	1.0	6.0
CT-013	49.0	20.0	54.0	18.5	29.5	37.0	17.5	1.0	6.0

Note:All specifications subject to change without notice.

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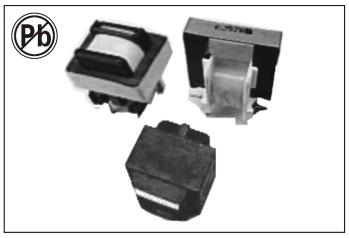


THROUGH-HOLE CURRENT SENSOR TRANSFORMER

L-KLS18-CT-014/015/016 SERIES

FEATURES:

- Low profile,directly to PCB.
- PBT 94V0 Case
  burn–resistant epoxy resin,stable.

OPTIONS:

- Bulk is standard
- Custom design acceptable

COMMON APPLCATIONS:

- Air–Conditioner Current Control
- Protection current transformer
- Testing Protection system
- Electronical monitoring system

ELECTRICAL CHARACTERISTICS:

Performance&Specification for 50/60Hz series

Part Number	Rated primary current(A)	Max primary current(A)	Rated secondary current(mA)	Resistance load (Ohm)	Output ratio (Ω)	Accuracy class
CT-014	5	12	2.5	1000	2.5	1
CT-014	5	15	5	100	0.5	1
CT-015	5	15	2	2000	4.0	1
CT-015	3	10	1	2500	2.5	1

Performance&Specification for High frequency(10KHz~200KHz)

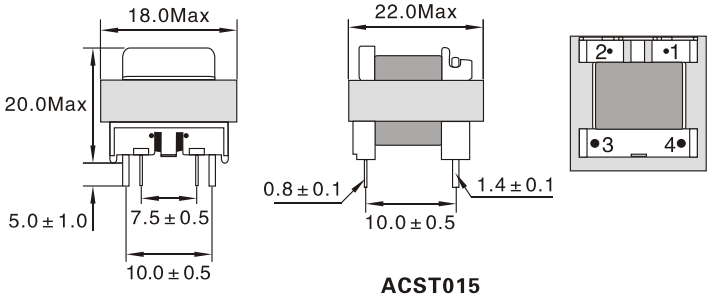
Part Number	Rated primary current(A)	Max primary current(A)	Rated secondary current(mA)	Resistance load (Ohm)	Output ratio (Ω)	Accuracy class
CT-016	5	20	2	1000	2	2
CT-016	10	20	5	500	2.5	2

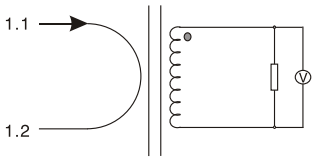
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Insulation resistance: 500V DC >100MΩ
- Hi–Pot : 4000V 1mA 60S
- Temperature range: –25℃ to +85℃
- Storage Temperature: –40℃℃ to +105℃℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

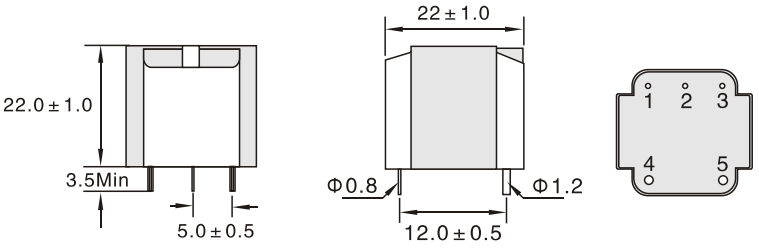
DIMENSIONS IN:mm

ACST014

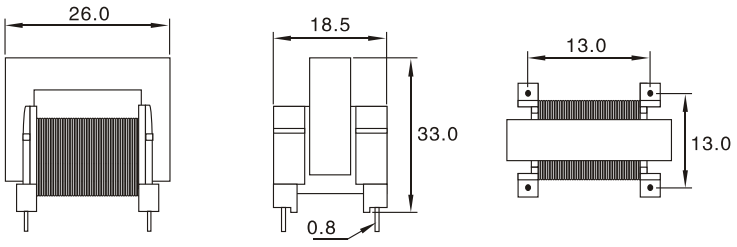




ACST015



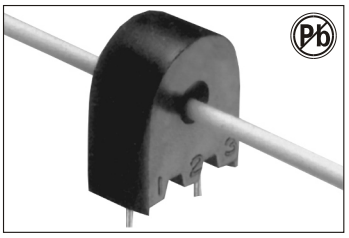
ACST016(Ferrite Core)



Note:All specifications subject to change without notice.

HIGH FREQUENCY CURRENT SENSING TRANSFORMER

L-KLS18-ACST SERIES



FEATURES:

- Meets UL94–V0 Requirements
- Precise Current Sensing

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

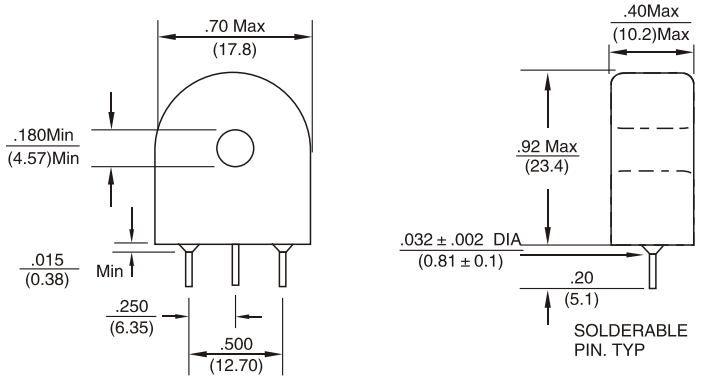
COMMON APPLICATIONS:

- SMPS Control Circuits
- Current Sensing
- Switching power regulators
- Pulse current test

STANDARD SPECIFICATIONS @250C

Part Number	SCHEMATIC	TURNS (±1% Max)	OCL (mH Min)	DCR (Ω Max)	ET (V–μ SEC–Min)
ACST -001	2A	50	5.0	0.7	150
ACST -002	2A	100	20.0	1.40	300
ACST -003	2A	200	80.0	4.50	600
ACST -004	2A	300	180.0	11.0	900
ACST -005	2B	50CT	5.0	0.7	150
ACST -006	2B	100CT	20.0	1.40	300
ACST -007	2B	200CT	80.0	4.50	600
ACST -008	2B	300CT	180.0	11.0	900
ACST -E51	3	100	2.0	5.50	120
ACST -E52	3	125	3.0	6.50	130

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS



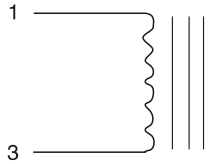


FIG.2A

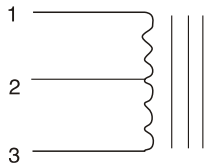
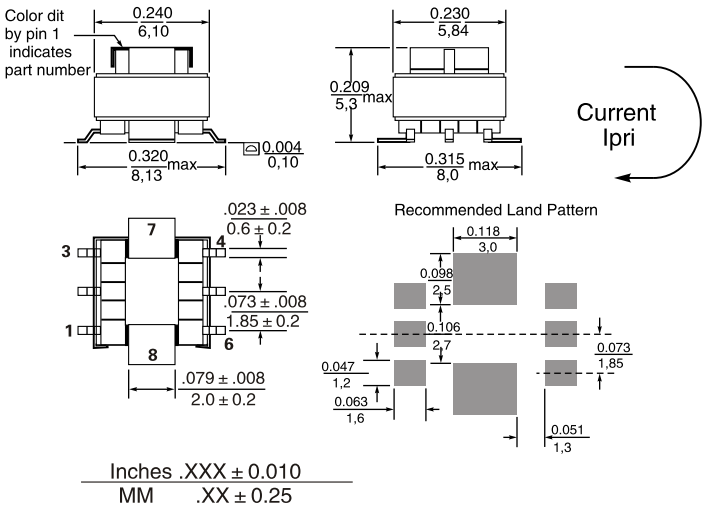


FIG.2B



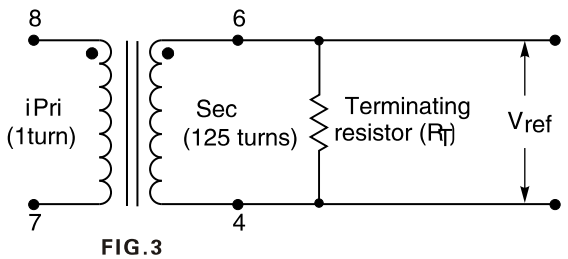


FIG.3

- Working Frequency range:10KHz~1MHz
- Testing Frequency: 10 KHz 0.1VRMS
- Hipot:2000VAC,Primary to Secondary
- Maximum Sensing Current: 20A p–p
- All seconday measurements are in pins 1–3
- Soldering menthods: Wave,Reflow
- Operating Temperature:0℃ to 85℃
- Storage Temperature:–25℃ to 85℃

Note:All specifications subject to change without notice

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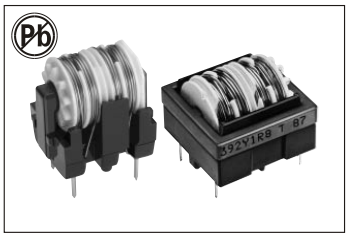


THROUGH–HOLE COMMON MODE CHOKES

L-KLS18-ET & UT SERIES

FEATURES:

- 0.3A to 10A ratings,low temperature rise
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment

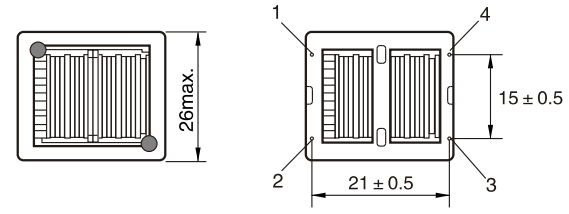
It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

ELECTRICAL CHARACTERISTICS:

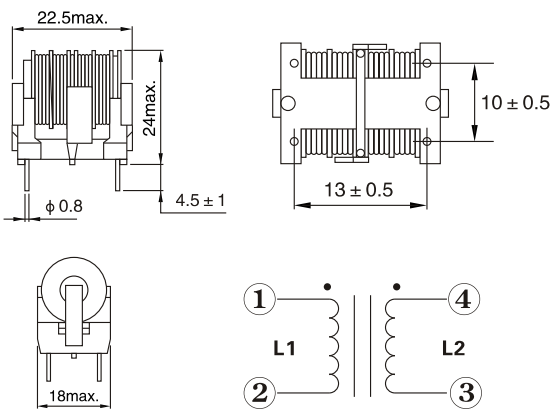
Part Number	Nominal inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated current I(A) Max
ET2422H–683Y0R4	68	700	2.3	0.4
ET2422H–453Y0R5	45	600	1.65	0.5
ET2422H–333Y0R6	33	500	1.2	0.6
ET2422H–253Y0R8	25	400	0.88	0.8
ET2422H–203Y1R0	20	350	0.64	1.0
ET2422H–103Y1R2	10	250	0.38	1.2
ET2422H–452Y1R5	4.5	150	0.19	1.5
ET2422H–392Y1R8	3.9	150	0.15	1.8
ET2422H–332Y2R0	3.3	100	0.11	2.0
ET2422H–242Y2R5	2.4	95	0.09	2.5

Part Number	Nominal Inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated currentI(A) Max
UT2024–123Y0R8	12	200	0.92	0.8
UT2024–622Y1R0	6.2	150	0.50	1.0
UT2024–242Y1R7	2.4	80	0.18	1.7
UT2024–601Y3R0	0.6	40	0.06	3.0

PHYSICAL CHARACTERISTICS:



Weight:19.5g typ
Recommended hole diameter: ϕ 1.2~1.3
Dimensions in mm



- Weight:10g typ
- Recommended hole Diameter: ϕ 1.2~1.3
- Dimensions in mm

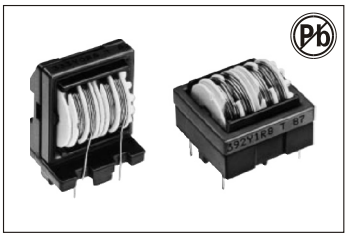
TECHNICAL INFORMATION:

- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500V AC winding to winding 3S.
- Insulation resistance 100MΩ Min DC 500V
- Temperature Rise Max:40℃
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

THROUGH–HOLE COMMON MODE CHOKES

L-KLS18-ET SERIES



FEATURES:

- 0.3A to 10A ratings,low temperature rise
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

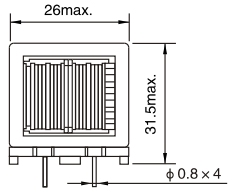
- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment

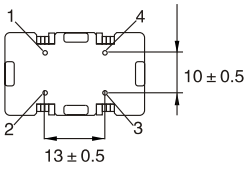
It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

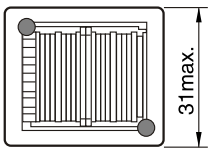
ELECTRICAL CHARACTERISTICS:

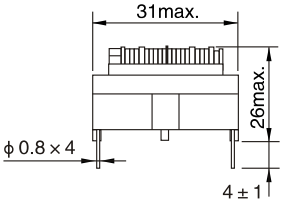
Part Number	Nominal inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated current I(A) Max	Part Number	Nominal inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated current I(A) Max
ET2430V–683Y0R4	68	700	2.3	0.4	ET2836H–353Y1R0	35	650	0.78	1.0
ET2430V–453Y0R5	45	600	1.65	0.5	ET2836H–253Y1R2	25	500	0.56	1.2
ET2430V–333Y0R6	33	500	1.2	0.6	ET2836H–203Y1R5	20	400	0.41	1.5
ET2430V–253Y0R8	25	400	0.88	0.8	ET2836H–123Y1R8	12	300	0.27	1.8
ET2430V–203Y1R0	20	350	0.64	1.0	ET2836H–802Y2R0	8	200	0.18	2.0
ET2430V–103Y1R2	10	250	0.38	1.2	ET2836H–562Y2R5	5.6	200	0.13	2.5
ET2430V–452Y1R5	4.5	150	0.19	1.5	ET2836H–472Y2R8	4.7	150	0.10	2.8
ET2430V–392Y1R8	3.9	150	0.15	1.8	ET2836H–332Y3R0	3.3	100	0.088	3.0
ET2430V–332Y2R0	3.3	100	0.11	2.0	ET2836H–182Y4R0	1.8	40	0.05	4.0
ET2430V–242Y2R5	2.4	95	0.09	2.5					

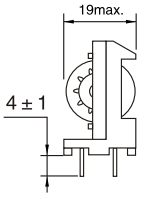
PHYSICAL CHARACTERISTICS:

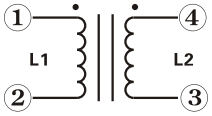




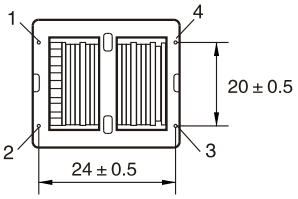


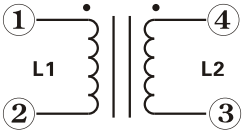






- Weight:19.5g typ
- Recommended hole Diameter: ϕ1.2~1.3
- Dimensions in mm





- Weight:28g typ
- Recommended hole Diameter: ϕ1.2~1.3
- Dimensions in mm

TECHNICAL INFORMATION:

- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500V AC winding to winding 3S.
- Insulation resistance 100MΩ Min DC 500V
- Temperature Rise Max:40℃
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

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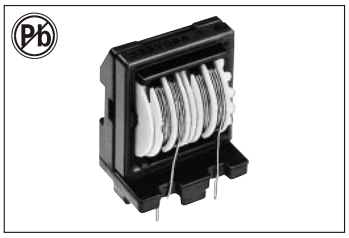


THROUGH–HOLE COMMON MODE CHOKES

L-KLS18-ET SERIES

FEATURES:

- 0.3A to 10A ratings,low temperature rise
- 0.7mH to 100mH dual chokes
- Excellent Mechanical Strength
- 100KHz to 3MHz common mode resonance
- High Reliability and variant PCB–mount housing
- Low resistance and temperature rise

OPTIONS:

- Bulk packaging is standard
- Custom design available

COMMON APPLICATIONS:

- DC/DC, AC/DC line noise suppression
- Communication System
- Automotive Systems
- LCD/PDPTelevisions
- Computer Peripheral Equipment

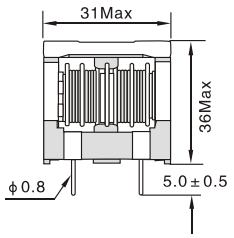
It accord with the standards of FCC VCCI CISPR FTZ,etc, eliminating of electromagnetic noise of power and signal circuit.

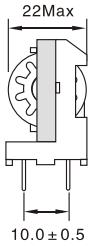
ELECTRICAL CHARACTERISTICS:

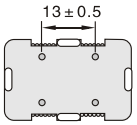
Part Number	Nominal inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated current I(A) Max
ET2836V–353Y1R0	35	650	0.78	1
ET2836V–253Y1R2	25	500	0.56	1.2
ET2836V–203Y1R5	20	400	0.41	1.5
ET2836V–123Y1R8	12	300	0.27	1.8
ET2836V–802Y2R0	8	200	0.18	2
ET2836V–562Y2R5	5.6	150	0.13	2.5
ET2836V–472Y2R8	4.7	150	0.1	2.8
ET2836V–332Y3R0	3.3	100	0.088	3
ET2836V–182Y4R0	1.8	40	0.05	4

Part Number	Nominal inductance (mH) Min.	Leakage Inductance (μH)Max.	D.C.R (Ω) Max.	Rated current I(A) Max
ET3435V–153Y2R2	15	450	0.21	2.2
ET3435V–123Y2R5	12	350	0.17	2.5
ET3435V–103Y2R7	10	300	0.13	2.7
ET3435V–822Y3R0	8.2	300	0.105	3
ET3435V–562Y3R5	5.6	250	0.077	3.5
ET3435V–472Y4R0	4.7	200	0.062	4
ET3435V–333Y1R5	33	900	0.42	1.5
ET3435V–223Y1R8	22	700	0.29	1.8
ET3435V–183Y2R0	18	500	0.23	2

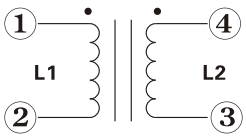
PHYSICAL CHARACTERISTICS:

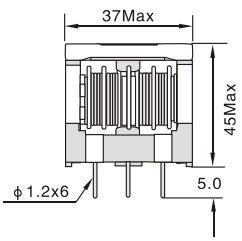


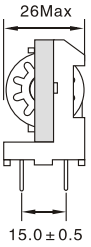


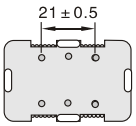


- Weight:30g typ
- Recommended hole diameter: ϕ1.2~1.3
- Dimensions in mm

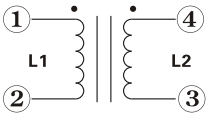








- Weight:65g typ
- Recommended hole Diameter: ϕ1.5~1.6
- Dimensions in mm



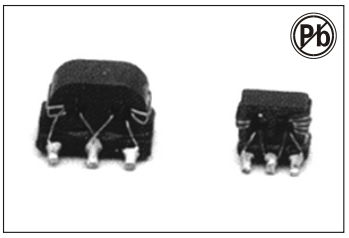
TECHNICAL INFORMATION:

- Max operating voltage:250V at 40℃
- IDC Max: rating AC/DC current A @40℃
- Hi–Pot 2500V AC winding to winding 3S.
- Insulation resistance 100MΩ Min DC 500V
- Temperature Rise Max:40℃
- Inductance Testing: 10KHz 0.1V HP4284A
- RDC:QuadTech 1880 Milliohmmeter
- Surge current Max 10ms: 20X IDC
- Operating temperature: –40℃ to +105℃
- Storage Temperature: –40℃ to +105℃
- Resistance to soldering heat:260℃ for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

RF Transformers for Surface Mounting

L-KLS18-RF SERIES



FEATURES:

- Pair wire coil for high stability.
- Base pin terminal treated
- Exellent Frequency Response
- Low Profile Low Cost

OPTIONS:

- Bulk Packaging is Standard
- Custom design available
- dip Available

APPLICATIONS:

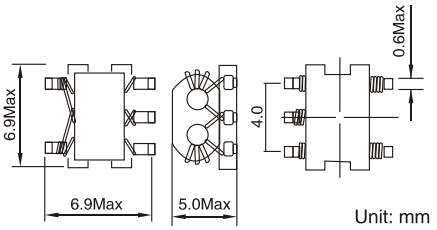
- Double balance mixers,broad–band impedance transformers
- Directional Couplers for Mixers
- Matching Power Combining and Splitting
- Step–Top box and cable modem

STANDARD SPECIFICATIONS

Part Number		Number of Turns per Winding	Operating Frequency Range	Insertion Loss	Fig
Double Balanced Mixer	RF–5S–1012	1	50MHz–400MHz	10dB max.	1
	RF–5S–1013	2	100MHz–1.0GHz	6dB max.	1
	RF–5S–1003	3	8MHz–800MHz	3.5dB max.	1
	RF–5S–1008	4	6MHz–600MHz	2.5dB max.	1
	RF–5S–1011	5	5MHz–500MHz	2dB max.	1
	RF–5S–1005	2	400MHz–1.3MHz	4dB max.	1
Frequency Mixer	RF–5S–1085	1	—	3dB max.	2
	RF–5S–1052	2	9MHz–350MHz	3dB max.	2
	RF–5S–1024	3	3.5MHz–470GHz	3dB max.	2
	RF–5S–1086	4	2.2MHz–400MHz	3dB max.	2
	RF–5S–1087	5	1.5MHz–300MHz	3dB max.	2
Power Divider /Combiner	RF–5S–1014		20MHz–600MHz	IN to OUT–1.2 4.5dB max. OUT–1 to OUT–2 (ISOLATION) 10dB min.	6
Directional Coupler	RF–5S–1015	4	6MHz–600MHz	IN to OUT–11.3dB max. IN to OUT–2.11dB –14dB	7
	RF–5S–1006	5	6MHz–600MHz	IN to OUT–10.9dB max. IN to OUT–2.13dB –16dB	7
	RF–5S–1007	6	6MHz–600MHz	IN to OUT–10.8dB max. IN to OUT–2.15dB –17dB	7
Double Balanced Mixer	RF–5SL–1001	2	30MHz–850MHz	3dB	1
	RF–5SL–1002	3	6.5MHz–1000MHz	3dB	1
	RF–5SL–1003	4	3.5MHz–1600MHz	3dB	1
	RF–5SL–1004	5	2.5MHz–1500MHz	3dB	1
Frequency Mixer	RF–5SL–1027	1	—	3dB	2
	RF–5SL–1028	2	8MHz–550MHz	3dB	2
	RF–5SL–1029	3	3.5MHz–500MHz	3dB	2
	RF–5SL–1030	4	2MHz–370MHz	3dB	2
	RF–5SL–1037	1	—	3dB	2
	RF–5SL–1038	2	500MHz–850MHz	3dB	2
	RF–5SL–1039	3	240MHz–500MHz	3dB	2
	RF–5SL–1040	4	85MHz–380MHz	3dB	2
Balun Transformer	RF–5SL–1048	$1_{1/2}$	5.5MHz–850MHz	3dB	3
	RF–5SL–1049	$2_{1/2}$	2.5MHz–2200MHz	3dB	3
	RF–5SL–1050	$3_{1/2}$	1.2MHz–1700MHz	3dB	3
	RF–5SL–1051	$4_{1/2}$	0.8MHz–1400MHz	3dB	3
	RF–5SL–1078	$5_{1/2}$	0.6MHz–1300MHz	3dB	3
Balun Transformer	RF–5SL–1053	$1_{1/2}$	160MHz–2200MHz	3dB	4
	RF–5SL–1017	$2_{1/2}$	55MHz–1700MHz	3dB	4
	RF–5SL–1054	$3_{1/2}$	30MHz–1400MHz	3dB	4

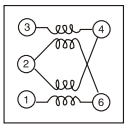
Note:1. K=±10%,M=±20%

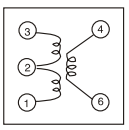
PHYSICAL CHARACTERISTICS



Unit: mm

Pin Connections


Flg.1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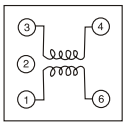
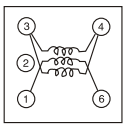
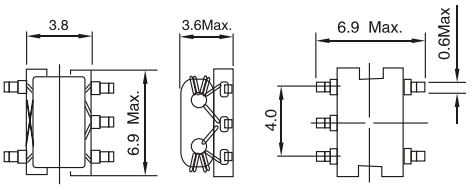
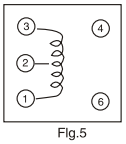
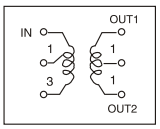

Flg.3


Flg.4

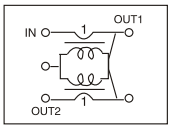


Unit: mm


Flg.5



Distributor/Flg.6



Directional Coupler/Flg.7

TECHNICAL INFORMATION:

- Soldering methods: Wave,Reflow
- Operating Temperature: 0℃ to 70℃
- Storage Temperature: –55℃ to 125℃

Note: All specifications subject to change without notice.

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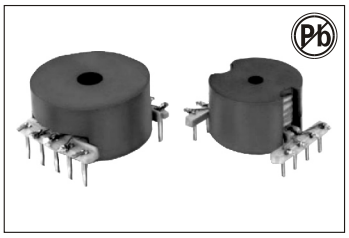


ADSL CENTRAL OFFICE POTS SPLITTER

L-KLS18-ADSL SERIES

FEATURES:

- Exellent Longitudinal Balance
- DC Current up to 100mA

OPTIONS:

- Bulk Packaging is Standard
- Custom design available
- SMT Available

COMMON APPLICATIONS:

- ADSL Central Office
- POTS Filter

STANDARD SPECIFICATIONS

Part Number	Turns Ratio	OCL (mH)	DCR (Ω Max)	Schematic	Package
ADSL-205	1CT:1	4.0 ± 5%	3.00	1	A
ADSL-206	1CT:1	3.0 ± 5%	2.50	1	A
ADSL-207	1CT:1	2.25 ± 10%	2.25	1	A
ADSL-208	1CT:1	1.425 ± 10%	2.25	1	A
ADSL-209	1CT:1	1.65 ± 10%	2.25	1	A
ADSL-210	1CT:1	1.35 ± 10%	2.25	1	A
ADSL-211	1:1	4.0 ± 5%	3.00	2	B
ADSL-212	1:1	10.0 ± 5%	5.00	2	B
ADSL-213	1:1:1:1	0.6 ± 5%	2.00	3	B

Note:1. K=±10%,M=±20%

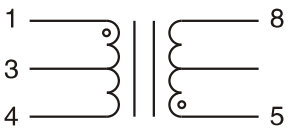
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

- Soldering methods: Wave,Reflow
- Operating Temperature: 0℃ to 70℃
- Storage Temperature: –55℃ to 125℃

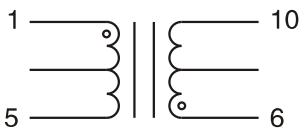
Note:All specifications subject to change without notice.

Hipot:1500VRMS.
Inductance Measured at 1KHz,100mA

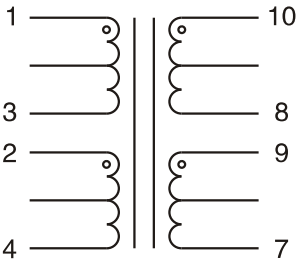
Schematic1



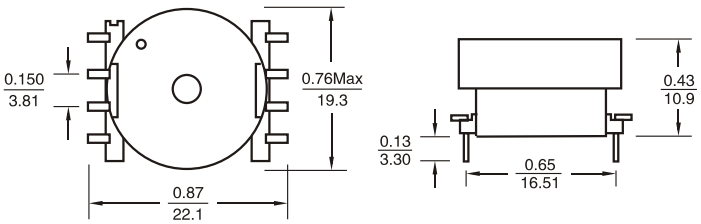
Schematic2



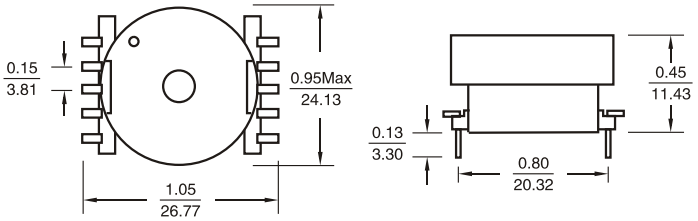
Schematic3



Package A



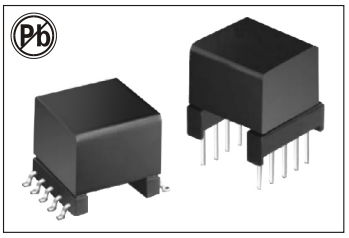
Package B



Dimensions: Inches (mm)

ADSL TRANSFORMERS

L-KLS18-ADSL SERIES



FEATURES:

- High Frequency Design
- Excellent THD
- High Reliability

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

- ADSL VDSL Router
- Analog Devices,Alcatel,Globespan.
- Central Office/Customer Premise

STANDARD SPECIFICATIONS

Part Number	Application	Turns Ratio ±2% Line to Chip	OCL (mH ± 10%) Line Sice	L_L (μH Max)	Longitudinal Balance (dB Min)	DCR (Ω Max.) Line Side	THD (dB Min)	SCH	Applicable IC
ADSL–101	CPE	1:1	5.0 (1)	15 (2)	40(25KHz–1.1MHz)	3.0	80@30KHz	1	AD20msP910/918
ADSL–102	CPE	1:1	0.48 (1)	10 (2)	40(30KHz–1.1MHz)	1.0	72@10KHz	1	MTK–20/40
ADSL–102A	CO	1:1	0.41 (1)	6.5 (2)	40(30KHz–1.1MHz)	0.6	72@20KHz	1	MTK–20/40
ADSL–103	CPE	2:1	0.43 (3)	10 (4)	40(25KHz–1.1MHz)	0.45	80@100KHz	2	G7000
ADSL–105	CPE	1:1	0.407 (1)	9 (2)	40(25KHz–1.1MHz)	0.66	80@100KHz	1	EL–1501

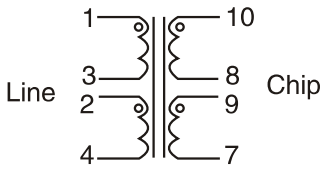
Inertion Loss: 0.5dB max Inductance measured @10KHz 0.1 VRMS Hipot: 1500 VRMS
Remark: Add "S" after Part No. for SMT package
Example: ADSL–101S for SMT Package: Package B
Notes:
1. Measure inductance at pin 1–4 with pin 2–3 shorted.
2. Measure leakage inductance at pin 1–4 with 2–3 shorted,and 7–8–9–10 shorted.
3. Measure inductance at pin 1–5 with pin 2–4 shorted.
4. Measure leakage inductance at pin 1–5 with 2–4 shorted,and pin 6–9–7–10 shorted.

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

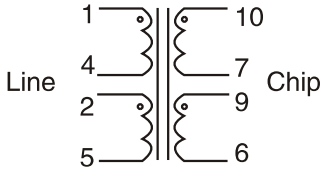
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to +70℃
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.

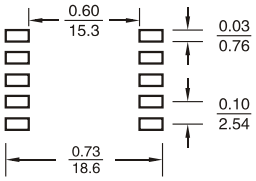
Schematic 1



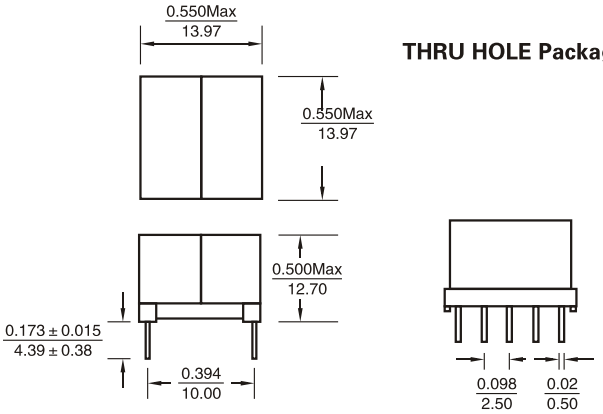
Schematic 2



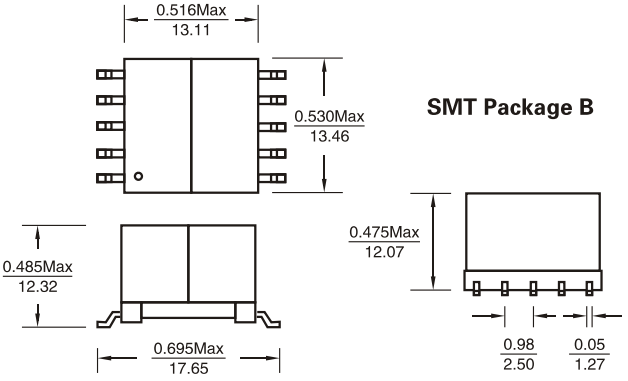
Recommended Pad Layout



THRU HOLE Package A



SMT Package B



Dimesions: Inches/mm

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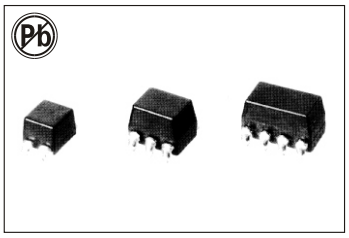


SURFACE MOUNT DATA LINE EMC FILTER

L-KLS18-DLFSERIES

DLF–02,04,06,08

FEATURES:

- Extended frequency range
- For noise reduction
- Common Mode up to 1GHz

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

- Digital Communication EMI Suppression
- Data Line Filtering

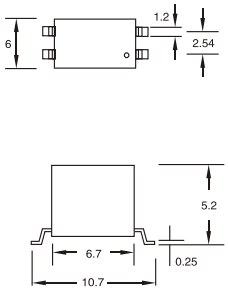
STANDARD SPECIFICATIONS

Part Number	Common Mode Attenuation(dB Min)											DCR (Ω Max)	SCH	Package
	No. of Lines	Inductance 100KHz,0.1V (μH Min)	100KHz	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz	500MHz	1GHz			
DLF–02–470	2	47	11	27	40	44	42	36	26	17	–	0.40	1/2/3	ABCDE
DLF–04–101	4	100	14	33	44	48	49	44	34	29	20	0.60	1/2/3	ABCDE
DLF–04–240	4	24	8	21	32	36	37	36	30	20	–	0.25	1/2/3	ABCDE
DLF–04–330	4	33	2	14	20	19	19	18	14	8	3	0.20	1/2/3	ABCDE
DLF–06–210	6	21	6	19	28	34	35	36	34	29	1	0.35	1/2/3	ABCDE
DLF–08–660	6	68	8	22	29	30	30	29	24	19		0.20	1/2/3	ABCDE
DLF–08–360	8	36	8	24	36	39	35	39	18	11	–	0.35	4/5	ABCDE
DLF–08–680	8	68	8	24	30	39	27	24	16	11	–	0.20	4/5	ABCDE

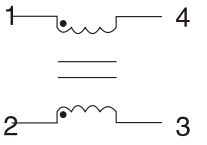
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

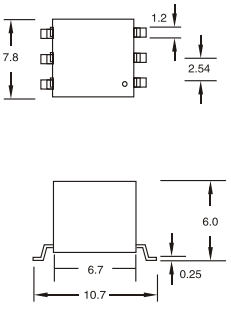
Package A



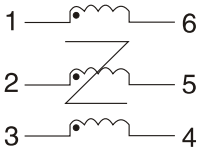
SCH 1



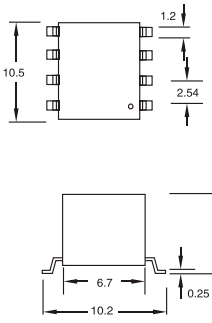
Package B:



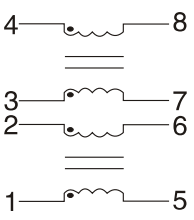
SCH 2



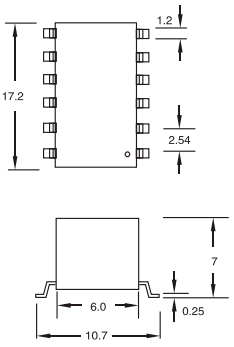
Package C



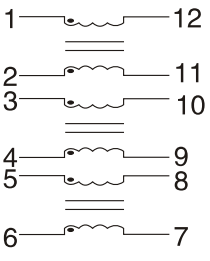
SCH 3



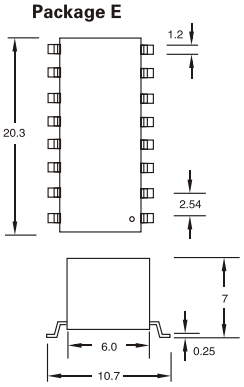
Package D



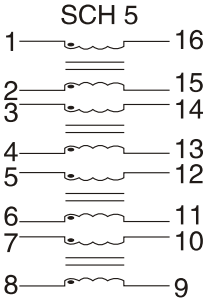
SCH 4



Package E



SCH 5



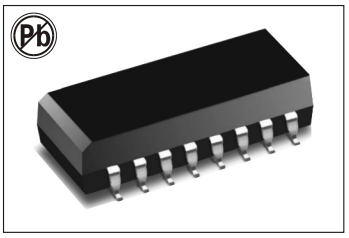
- Inductance measured at 100KHz 0.1 VRMS.
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.

Dimmension: mm

E1/T1/ISDN–PRI TRANSFORMER

L-KLS18-T-100 SERIES



FEATURES:

- Mini SWT SO package
- Extended Temperature Range
- 1500 Vrms Isolation

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

- E1/T1/CEPT/ISDN– Pri Transformer

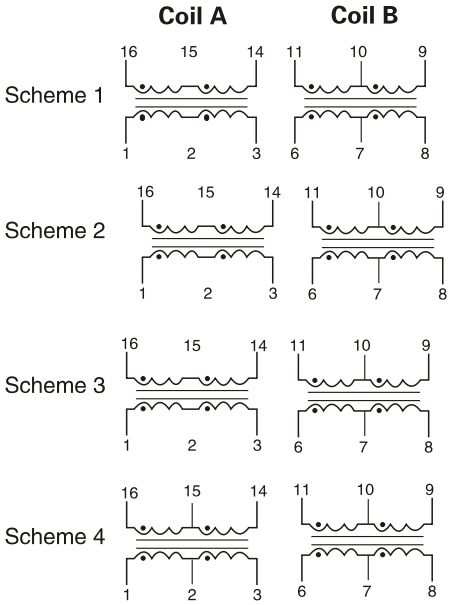
STANDARD SPECIFICATIONS

Part Number	Turns Ratio ± 2%		Lp (mH) (Min)	Cww (pF) (Max)	L_L (μH Max) A/B	DCR (Ω Max)		SCH	Primary Pins	
	Coil A	Coil B				A:Pri/Sec	B:Pri/Sec		Coil A	Coil B
T-101	1CT:2CT	1CT:2CT	1.5	45/45	0.6/0.6	1.0/2.0	1.0/2.0	1	16–14	6–8
T-102	1CT:2CT	1CT:2CT	1.5	45/45	0.5/0.5	1.0/2.0	1.0/1.0	1	1–3	11–9
T-103	1CT:1.41CT	1CT:1.41CT	1.28	30/30	0.8/0.8	0.7/0.9	0.7/0.9	1	1–3	11–9
T-104	1CT:1.15CT	1CT:1.15CT	1.5	45/45	0.5/0.5	1.0/1.0	1.0/1.0	1	1–3	11–9
T-105	1:1.15CT	1.2CT	1.5	40/40	0.5/0.5	0.7/0.9	0.7/0.9	2	16–14	6–8
T-106	1CT:1.25CT1.15	1CT:2CT	1.5	40/40	0.5/0.5	0.7/0.9	0.7/0.9	1	16–14	6–8
T-107	1CT:2CT	1CT:2CT	1.2	30/30	0.6/0.6	0.7/1.0	0.7/1.0	1	16–14	6–8
T-108	1CT:1CT	1CT:1.36CT	1.2	30/30	0.6/0.6	0.7/0.7	0.7/0.7	1	16–14	6–8
T-109	1CT:1.15CT	1CT:1.15CT	1.2	30/30	0.6/0.6	0.7/0.5	0.7/0.75	1	1–3	6–8
T-110	1:1.15CT	1:2CT	1.2	30/30	0.6/0.6	0.7/0.75	0.7/1.0	3	16–14	6–8
T-111	1CT:1.41CT	1CT:1.41CT	1.0	30/30	0.6/0.6	0.7/0.9	0.7/0.9	1	16–14	11–9
T-112	1CT:2.42CT	1CT:2.42CT	1.2	25/25	0.6/0.6	0.7/1.2	0.7/1.2	1	1–3	6–8
T-113	1CT:2CT	1CT:1.36CT	1.2	30/30	0.6/0.6	0.7/1.2	0.7/0.8	4	16–14	6–8
T-114	1:1.36CT	1:2CT	1.5	35/40	0.5/0.5	0.9/1.3	0.9/1.3	2	16–14	6–8
T-115	1CT:2.4CT	1CT:1CT	1.0	30/30	0.8/0.8	0.85/1.5	0.85/0.85	1	1–3	11–9
T-116	1:1/1.26	1:1/2CT	1.2	30/30	0.6/0.6	0.7/0.8	0.7/1.0	3	16–14	6–8
T-117	1CT:1CT	1CT:1.5CT	1.0	30/30	0.6/0.6	0.7/0.7	0.7/1.0	1	16–14	6–8
T-118	1CT:2CT	1CT:1.36CT	1.2	30/30	0.6/0.6	0.7/1.0	0.7/0.8	4	16–14	6–8

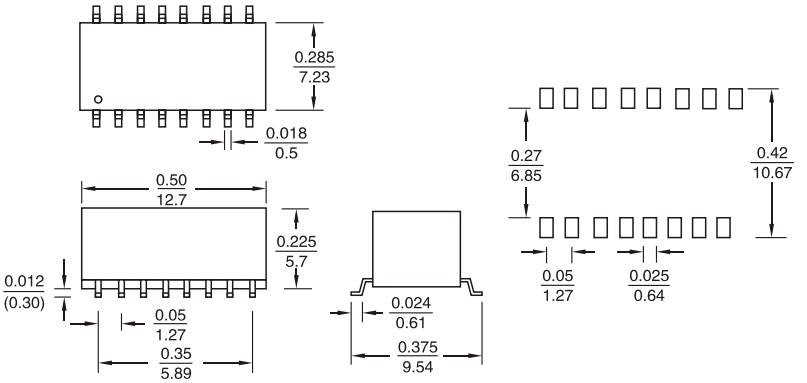
Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

NOTE:(Extend Temperature –40℃ to 85℃,OCL is 0.6 mH min @ –40℃)



Dimmension: Inch/mm



Recommended Pad Layout

- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃(–40℃ to 85℃ Extended)
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.

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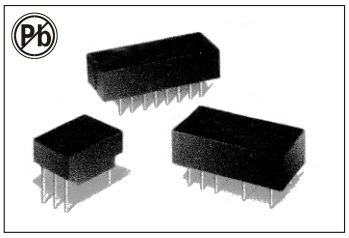


T1/E1/ISDN–PRI TRANSFORMER MODULES

L-KLS18-T-6000 SERIES

FEATURES:

- Low Profile 6PIN DIP Packge
- Low Leakage Inductance
- Low Interwinding Capacitance
- High Isolation Voltage
- Meets MIL–STD21038

OPTIONS:

- Tape & Reel is Standard
- Custom design available

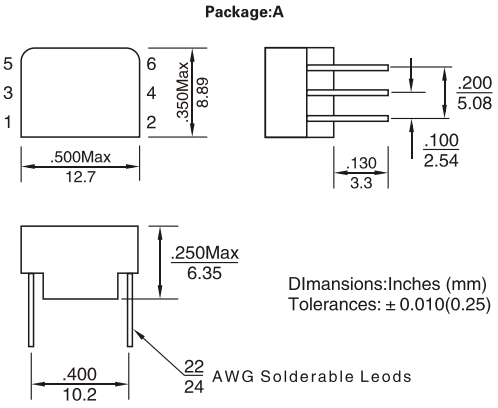
APPLICATIONS:

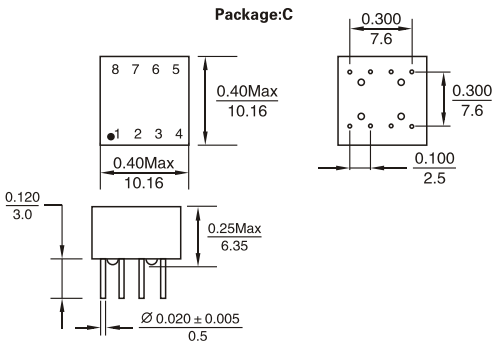
- Lan,WDN
- Computers
- SMPS Control Circuits
- T1/E1/ISDN–PRI

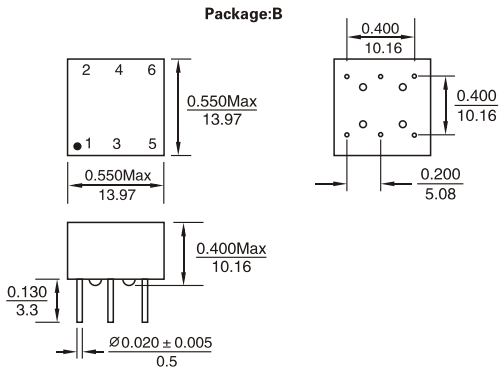
SPECIFICATIONS @ 250C:

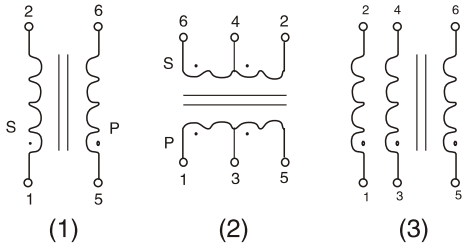
Part Number	TURNS RATIO (±5%)	PULSE INDUCTANCE (μH±20%)	LEAKAGE INDUCTANCE (μH MAX)	PRIMARY ET–CONSTANT (V–US MIN)	PRI/SEC CW/W (PF MAX)	PRIMARY DCR (OHMS MAX)	SECONDARY DCR (OHMS MAX)	TERTIARY DCR (OHMS MAX)	HI–POT (VRMS MIN)	PACKAGE
T–6001	1:1	10	0.3	3.2	18	0.9	0.9	–	500	A/B
T–6002	1:1	50	0.4	5.0	21	0.9	0.9	–	500	A/B
T–6003	1:1	500	0.5	8.5	32	1.3	1.3	–	500	A/B
T–6004	1:1	2000	0.8	16.0	37	2.5	2.5	–	500	A/B
T–6005	1CT:1CT	50	0.3	5.0	18	0.9	0.9	–	500	A/B
T–6006	1CT:1CT	200	0.4	5.2	18	1.3	1.3	–	500	A/B
T–6007	1CT:1CT	500	0.5	8.5	32	1.3	1.3	–	500	A/B
T–6008	1CT:1CT	2000	0.8	16.0	37	2.5	2.5	–	500	A/B
T–6009	2:1:1	20	0.8	5.0	8	0.9	0.5	0.5	500	A/B/C
T–6010	3:1:1	200	1.3	5.0	7	0.9	0.4	0.4	500	A/B/C
T–6011	4:2:1	500	0.9	8.5	13	1.4	0.8	0.5	500	A/B/C
T–6012	4:2:1	2000	2.5	16.0	20	2.5	1.4	0.8	500	A/B/C

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS









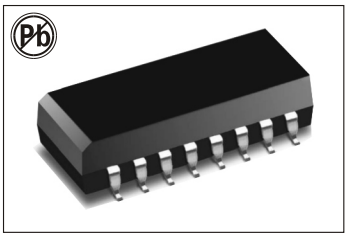
- Operating Temperature:0℃ to 85℃
- Storage Temperature:–25℃ to 85℃

Note:All specifications subject to change without notice.

FIBER CHANNEL

L-KLS18-FCT-101SERIES

FC – PH3 Dual Gigabit Transformers



FEATURES:

- Fast Rise Time
- Compliant with ANSI X3T9.5
- IEEE 802.3 Compliant

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

- Isolation and coupling
- Giga – Bit Dual Transformer
- 75 Ω Coaxial, 150 Ω STP

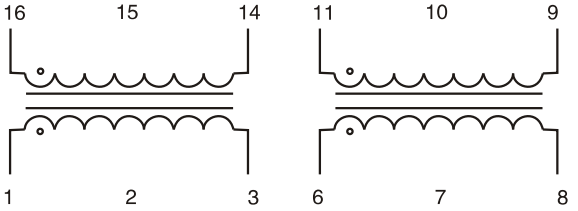
STANDARD SPECIFICATIONS

Part Number	Turns Ratio (±2%)	OCL (μH Min)	Rise Time (nS Max)	Low Frequency Cut-off (3dB)	L_L (μH Max)	DCR (Ω Max)	Hipot (VRMS)
FCT-101	1:1	7.5	2.5		0.10	0.20	2000
FCT-102	1CT:1CT	5.0	3.5	≤2.5MHz	0.10	0.20	1500
FCT-103	1:1	5.0	3.5	≤2.5MHz	0.10	0.20	1500

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

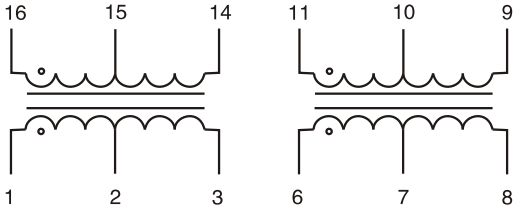
・Soldering methods:Wave,Reflow ・Operating Temperature:0℃ to 70℃ ・Storage Temperature:–55℃ to 125℃
Note:All specifications subject to change without notice.

SCHEMATIC：FCT–101，103



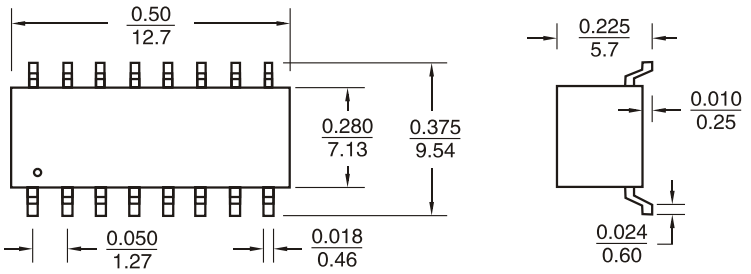
1:1 Dual Transformer

SCHEMATIC：FCT–102

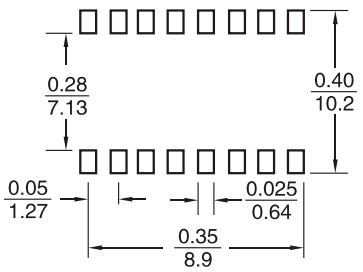


1CT:1CT Dual Transformer

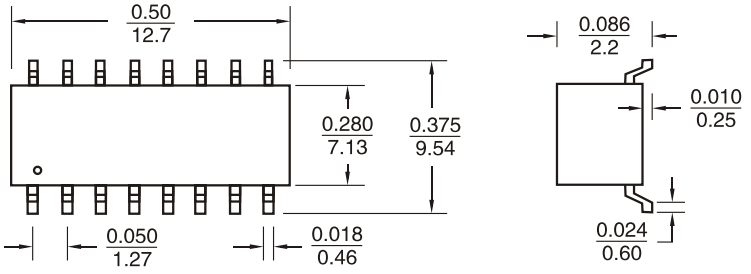
PACKAGE:A



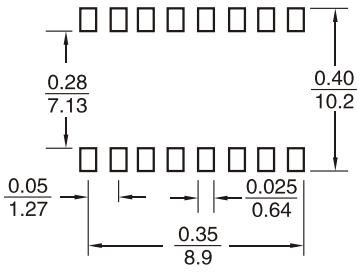
Recommended Pad Layout



PACKAGE:B



Recommended Pad Layout



Note: All specifications subject to change without notice.

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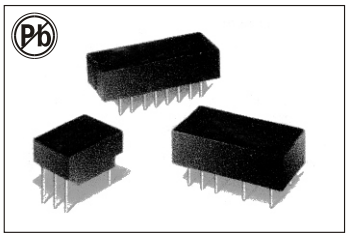


DATA LINE FILTER

L-KLS18-CM5142 SERIES

FEATURES:

- 10Pin through hole
- Extended frequency range
- For noise reduction
- Common Mode up to 1GHz

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

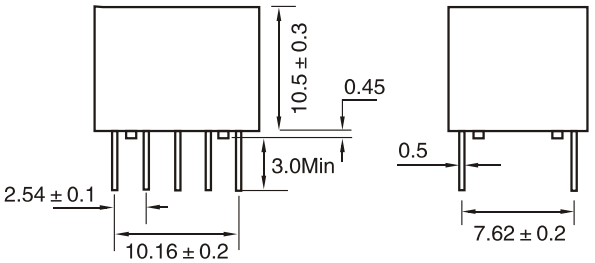
- Isolation and coupling
- Digital Communication EMI Suppression
- Data Line Filtering

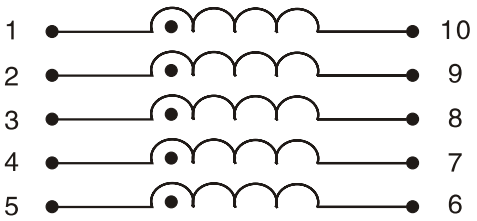
STANDARD SPECIFICATIONS Electrical Specification(@25℃):

Part Number	Common Mode Attenuation(dB Min)											DCR (Ω Max)	Turns RatioH
	No. of Lines	Inductance 100KHz,0.1V (μH Min)	100KHz	1MHz	10MHz	30MHz	50MHz	100MHz	300MHz	500MHz	1GHz		
CM5142–220	5	20	2	14	20	19	19	18	14	8	3	0.15	1:1:1:1:1
CM5142–500	5	50	8	21	32	36	37	30	26	17	8	0.20	1:1:1:1:1
CM5142–820	5	80	11	27	40	44	42	36	30	20	–	0.32	1:1:1:1:1
CM5142–100	5	100	14	33	44	48	49	44	34	22	–	0.40	1:1:1:1:1

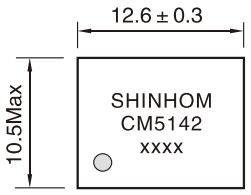
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Turns Ratio:1–10:2–9:3–8:4–7:5–6=1:1:1:1:1 ± 2%
- Inductance(Ls)@100KHz,0.1V
- D.C.R(20℃):QuadTech 1880 Milliohmmeter
- Hi–Pot:200V/DC, 0.5mA, 1Sec between windings
- Insulation resistance@50V/DC:10MOhms Min
- Rated voltage:50V/DC
- Rated Current:300mA /DC
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃





Schematic

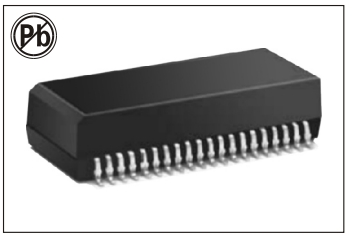


DIMENSIONS:mm
Unless other wise specified all tolerances are +/–0.25

Note: All specifications subject to change without notice.

10/100 BASE–TX MAGNETICS MODULES

L-KLS18-HS1164 SERIES



FEATURES:

- Compliant with IEE 802.3u and ANSI X.3.263 Standards including 350uH OCL with 8mA bias
- Cable interface for isolation and low common mode emissions

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

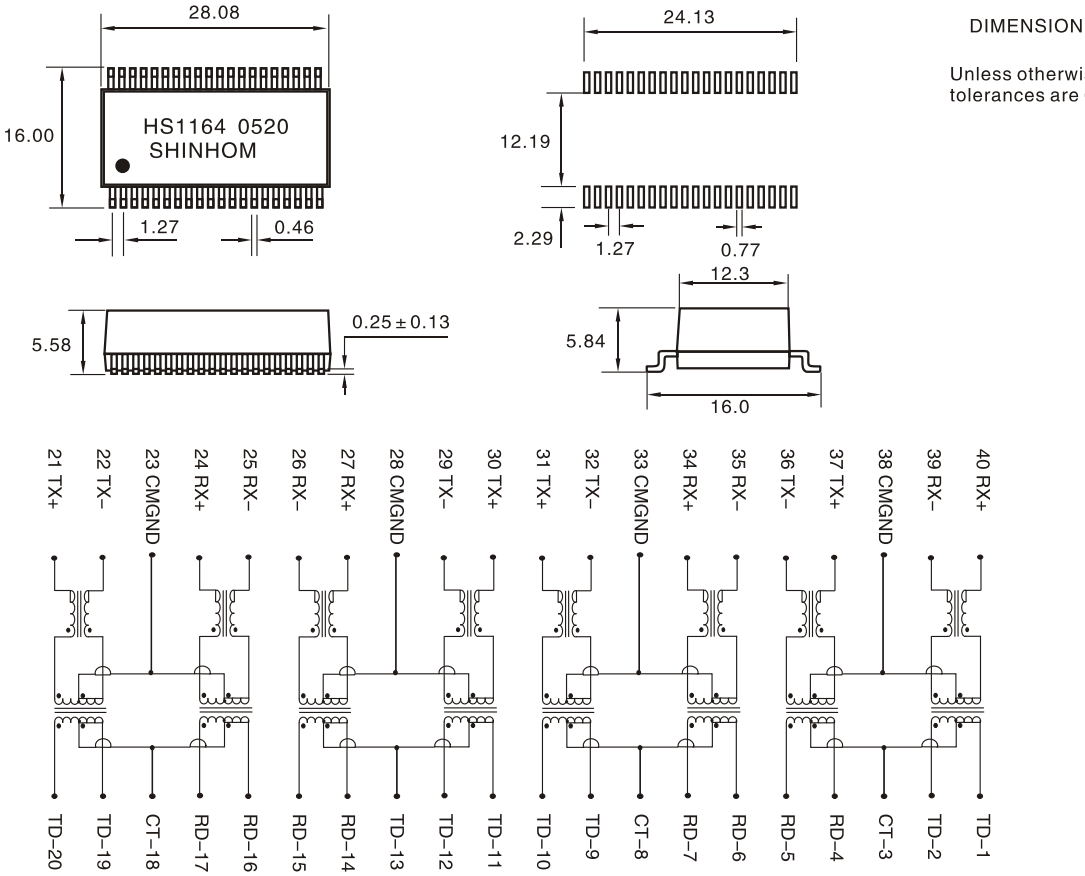
COMMON APPLICATIONS:

- Symmrtria TX and RX channels for auto MDI/MDIX capability.
- Approved for use with Broadcom BCM5226/BCM5228 and Level One LXT9784
- Multiport Repeater & Ethernet Switching HUB

ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS1164	1CT:1CT	–1.0	–18	–14.4	–13.1	–12	–55	–45	–40	–33	–37	–25	1500

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



DIMENSIONS:mm

Unless otherwise specified all tolerances are 60.25

- **OCL:350 μH Min 8mA DC bias (line side)**
- **Hi–Pot:1500 VRMS Min**
- **Soldering methods:Wave,Reflow**
- **Operating Temperature:0℃ to 70℃**
- **Storage Temperature:–25℃ to 85℃**

Note: All specifications subject to change without notice.

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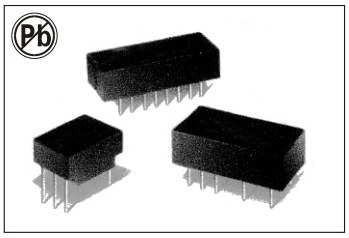


10/100 BASE–T MAGNETICS MODULES

L-KLS18-HS1606SERIES

FEATURES:

- Designed to meet IEEE 802.3 requirements.
- Through–hole Low cost design

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

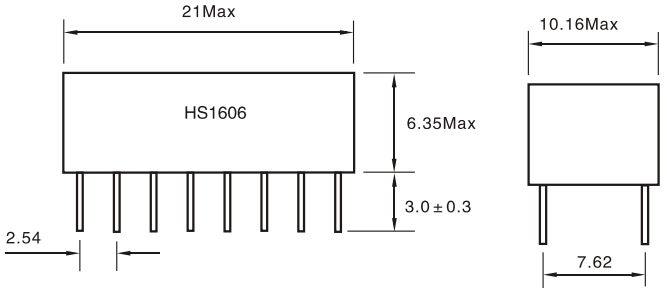
COMMON APPLICATIONS:

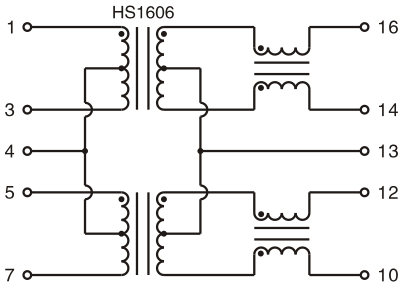
- Multiport Repeater & Ethernet Switching HUB
- Cable interface for isolation and low common mode emissions

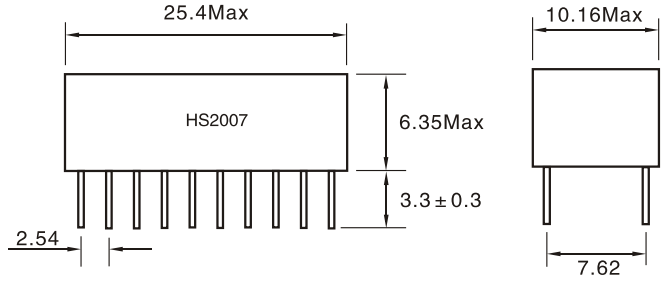
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

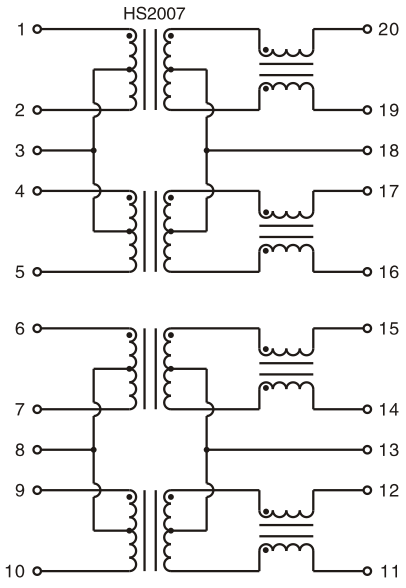
Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS1606	1CT:1CT	–1.1	–16	–15.0	–13.0	–11	–38	–38	–38	–38	–38	–38	1500
HS2007	1CT:1CT	–1.0	–16	–12	–10	–37	–25	–40	–40	–35	–40	–35	1500

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:









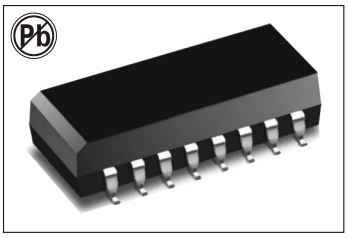
- OCL:350 μH Min 8mA DC bias (line side)
- Hi–Pot:1500 VRMS Min
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–25℃ to 85℃

DIMENSIONS:mm
Unless otherwise specified all tolerances are ±0.25

Note: All specifications subject to change without notice.

10/100 BASE MAGNETIC MODULES

L-KLS18-HS16001S SERIES



FEATURES:

- Designed to meet IEEE 802.3 requirements.

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

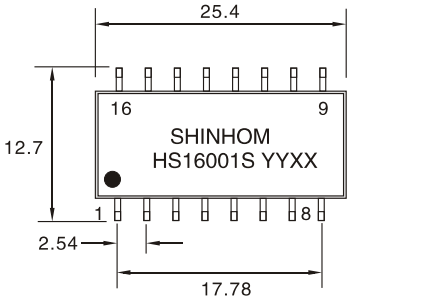
COMMON APPLICATIONS:

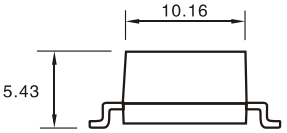
- Cable interface for isolation and low common mode emissions.
- Multiport Repeater & Ethernet Switching HUB

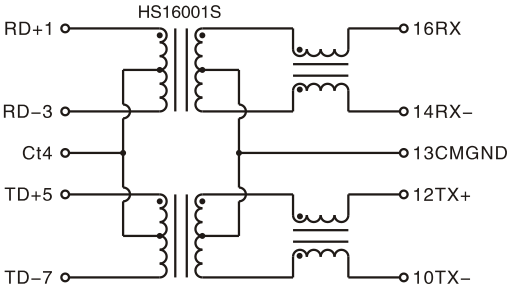
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

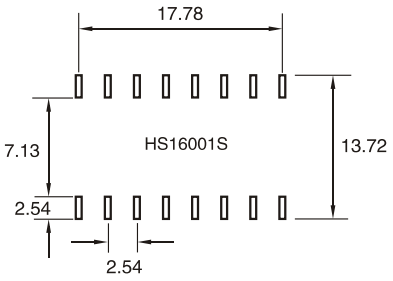
Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS16001S	1CT:1CT	–1.0	–20	–20	–18	–14	–50	–40	–40	–42	–36	–33	1500
HS16002	1CT:1CT	–1.0	–18	–14.4	–13.1	–12	–55	–45	–40	–33	–37	–25	1500

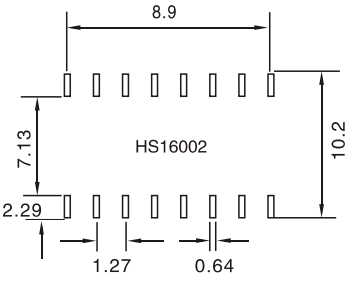
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



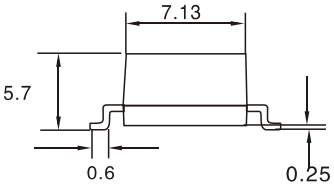


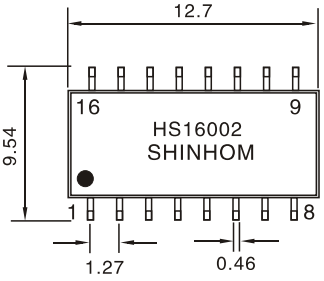


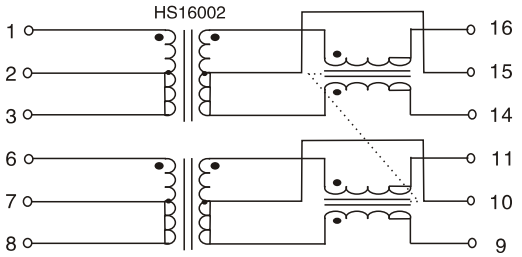




DIMENSIONS: mm
Unless otherwise specified all tolerances are ±0.25







- OCL:350 μH Min 8mA DC bias (line side)
- Hi–Pot:1500 VRMS Min
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–25℃ to 85℃

Note: All specifications subject to change without notice.

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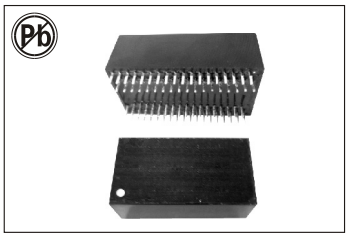


10/100/1000 BASE–T MAGNETICS MODULES

L-KLS18-HS7201SERIES

FEATURES:

- Compliant with IEEE 802.3ab Standard for 1000BASE–T.

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

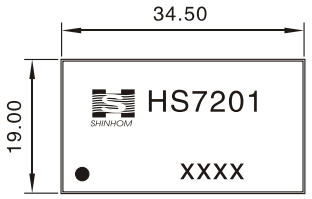
COMMON APPLICATIONS:

- Designed for Ethernet 1000BASE–T,full Quad Port applications.
- Supports 16 pairs of category 5UTP cable.
- Cable interface for isolation and low common Mode emissions.

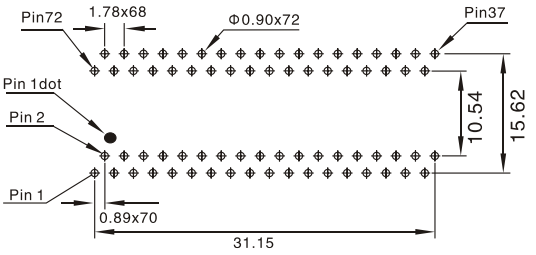
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

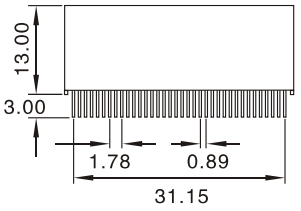
Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS7201	1CT:1CT	–1.0	–18	–14.4	–18	–13.1	–40	–35	–30	–40	–35	–30	1500

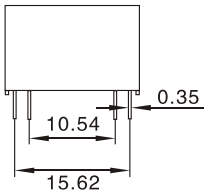
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

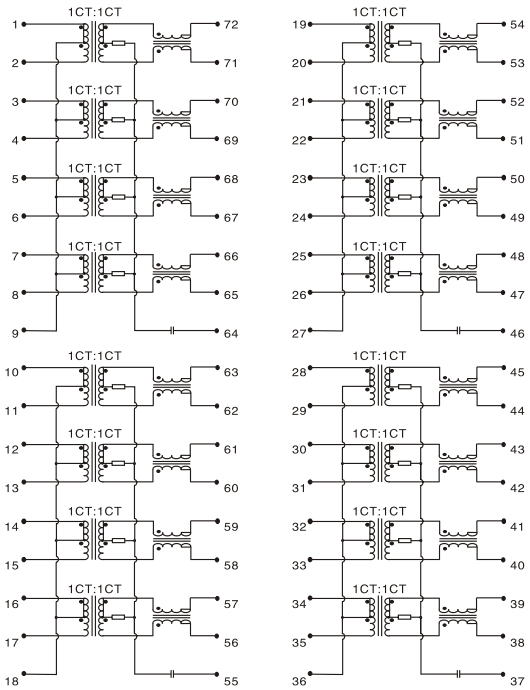


Recommended Pad Layout









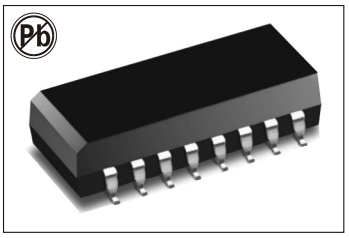
DIMENSIONS:mm
Unless otherwise specified all tolerances are :+/–0.25

- OCL:350 μH Min 8mA DC bias (line side)
- Hi–Pot:1500 VRMS Min
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–25℃ to 85℃

Note: All specifications subject to change without notice.

10/100/1000 BASE–T MAGNETICS MODULES

L-KLS18-HS16015S SERIES



FEATURES:

- Designed to fit with Broadcom,Intel, Micrel,National,Semiconductor,ICS
- Compliant with IEE 802.3u and ANSI X.3.263 standards Including 350uH OCL with 8mA bias.

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

COMMON APPLICATIONS:

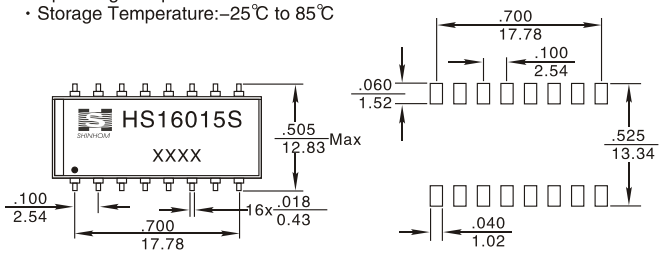
- Cable interface for isolation and low common mode emissions.
- Multiport Repeater & Ethernet Switching HUB

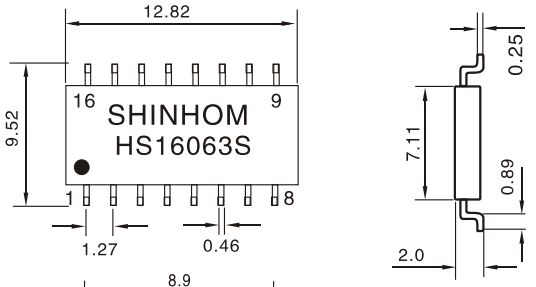
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

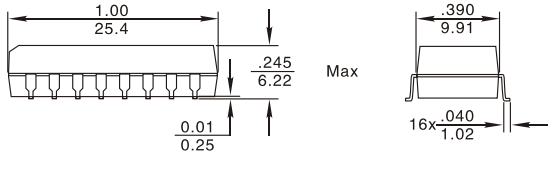
Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS16015S	1CT:1CT	–1.0	–20	–20	–18	–14	–50	–40	–40	–42	–36	–33	1500
HS16063S	1CT:1CT	–1.0	–18	–14.4	–13.1	–12	–65	–50	–40	–35	–40	–35	1500

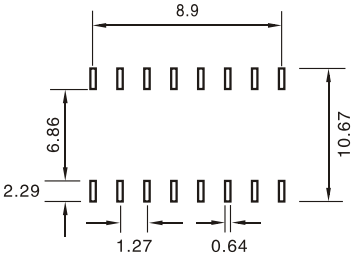
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

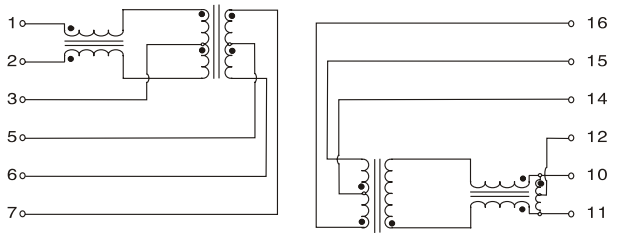
- OCL:350 μH Min 8mA DC bias (line side)
- Hi–Pot:1500 VRMS Min
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–25℃ to 85℃





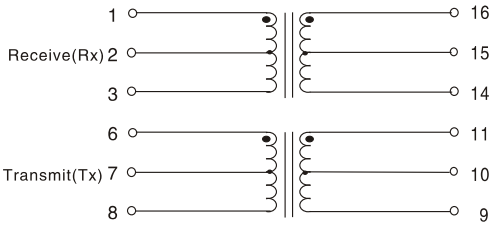






DIMENSIONS: Inch / mm

Unless otherwise specified all tolerances are +/–0.010(0.25)



DIMENSIONS: mm

Unless otherwise specified all tolerances are +/–0.25

Note: All specifications subject to change without notice.

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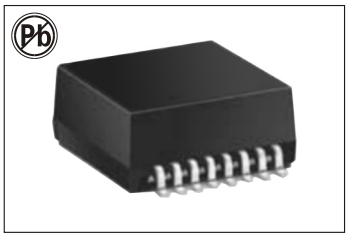


1000 BASE–T MAGNETICS MODULES

L-KLS18-HS2410 SERIES

FEATURES:

- 1:1 Turns Ratio
- Full Duplex Compatible
- PoE MAGNETICS
- Compliant with IEEE802.3u and ANSI X.3.263 standards including 350 uH OCL with 8mA bias.

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

COMMON APPLICATIONS:

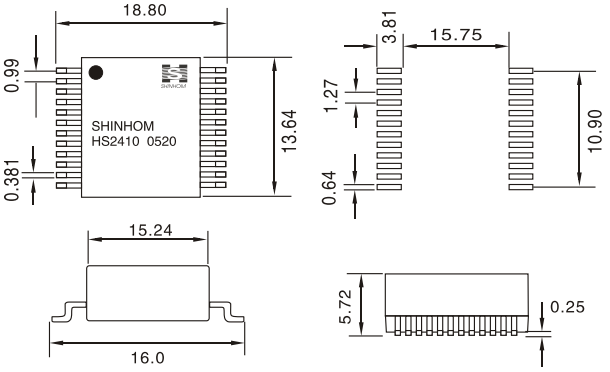
- Cable interface for isolation and low common mode emissions.
- Designed to fit behind 1x1 RJ45 connector.
- HS2411 Designed for IP phone or Switch

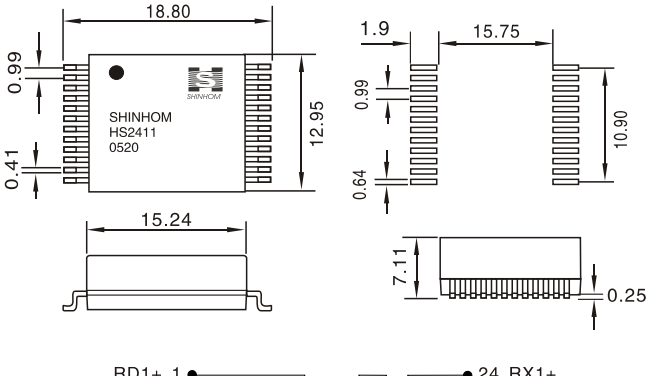
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

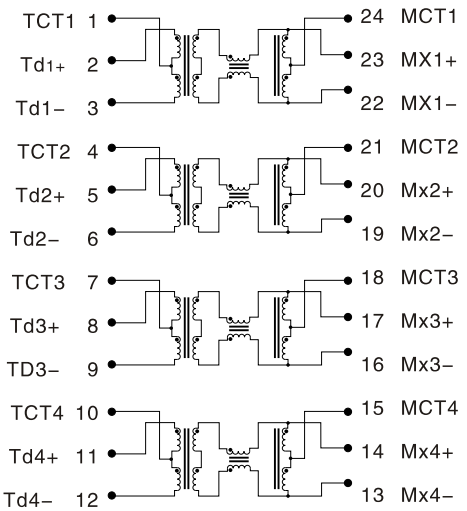
Part number	Turns Ratio (±2%)	Insertion Loss (Max)	Return Loss (dB Min)				Crosstalk (dB Min)				Differential to Common Mode Rejection(dB Min)		Hipot (Vrms Min)
		0.1–100MHz	2–30MHz	40MHz	50MHz	60–80MHz	1kHz	30MHz	60MHz	100MHz	1–60MHz	60–200MHz	
HS2410	1CT:1CT	–1.0	–18	–14.4	–13.1	–12	–65	–50	–40	–35	–40	–35	1500
HS2411	1CT:1CT	–1.2	–16	–14.0	–13.0	–12	–43	–37	–33	–50	–43	–35	1500

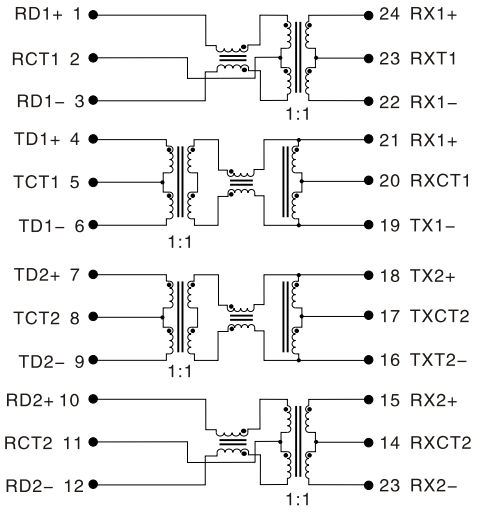
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Primary OCL Tx & Rx: 350 μ H Min @ Idc=8mA
- Hipot : 1500 VRMS







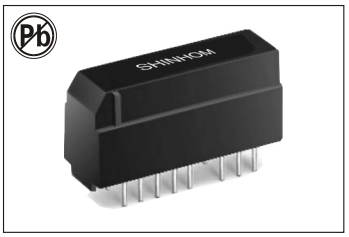


- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

DIMENSIONS:mm
Unless otherwise specified all tolerances are +/–0.25
Note: All specifications subject to change without notice.

ISDN S–INTERFACE MAGNETICS MODULES

L-KLS18-HS5011-5015SERIES



FEATURES:

- Meet Industry Standard Footpints.
- Designed for enhanced EMC performance.
- ISDN Interface Isolation
- Through–Hole Dual 1500Vrms

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available

COMMON APPLICATIONS:

- Cable interface for isolation and low common mode emissions.
- Designed to fit behind 1x1 RJ45 connector.
- ISDN S–Interface Single Port

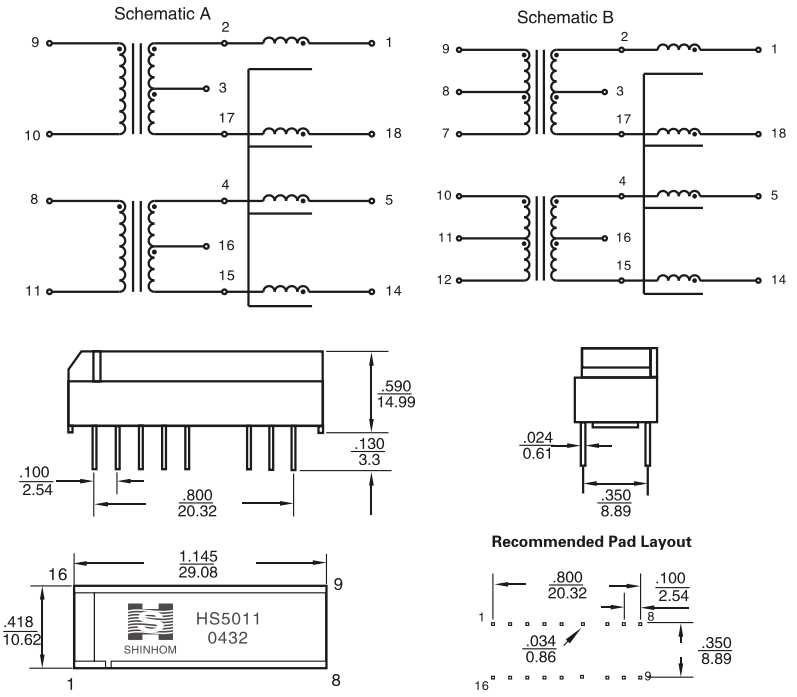
STANDARD SPECIFICATIONS

Part Number	Transformer						Choke				Schematic
	Inductance OCL (mH min)	Inductance Leakage (μH max)	Interwinding Capacitance (pF max)	DC Resistance (Ω Max)		Turn Ratio Pri: Sec (±3%)	Inductance OCL (mH min)	Inductance Leakage (μH max)	DC Resistance (Ω Max)	Turn (±5%)	
				Pri	Sec						
HS5011	30	10	150	4.00	4.0	1CT:1CT	4.70	0.6	1.20	1:1:1	A
HS5012	30	30	150	4.00	6	1CT:2CT	4.70	0.6	1.20	1:1:1	A
HS5013	30	30	150	4.00	9	1CT:2.5CT	4.70	0.6	1.20	1:1:1	A
HS5015	30	30	150	4.00	6	1CT:2CT	4.70	0.6	1.20	1:1:1	B

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Dimmension: Inch/mm
- Isolation Hi–pot: 1500Vrms(pri/sec)
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

  Note:All specifications subject to change without notice.



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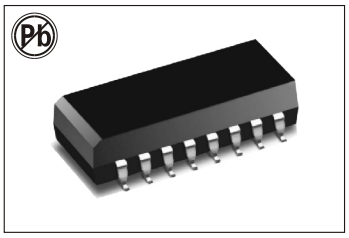


10 BASE–T COUPLING TRANSFORMER

L-KLS18-HS16005-16025SERIES

FEATURES:

- Compliant with IEE 802.3u and ANSI X.3.263
- Cable interface for isolation and low common mode emissions
- Meet FCC Class B Approval.
- SMT Pick & Place Available

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

COMMON APPLICATIONS:

- Cable interface for isolation and low common mode emissions.
- Designed for reflow soldering at temperature up to 234℃ non–RoHS, 260℃ RoHS.

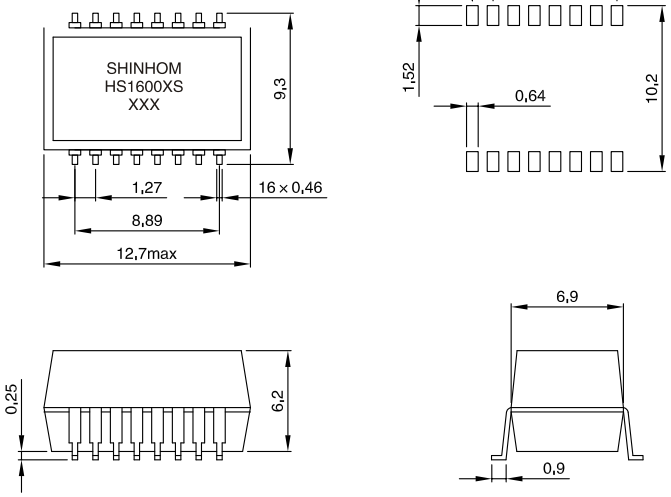
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

Part number	Turns Ratio (±5%)		Primary Inductance (μH)	Primary Capacitance (pF)Max	Leakage Inductance (μH)Max	DCR PRI (ohm)Max	Primary Pins	Hi–Pot Vrms	Fig
	Receive (1–3:16–14)	Transmit (6–8:11–9)							
HS16005S	1CT:1CT	1CT:2.5CT	200/35min	15	0.4	0.5	6–8&1–3	2000	B
HS16020S	1CT:1CT	1CT:2.0CT	140Typ	15	0.4	0.3	6–8&1–3	2000	A
HS16021S	1CT:1CT	1CT:2.0CT	140Typ	15	0.4	0.3	6–8&1–3	2000	B
HS16022S	2CT:1CT	1CT:1.0CT	150min	10	0.6	0.35	6–8&1–3	2000	A
HS16023S	2CT:1CT	1CT:1.0CT	150min	10	0.9	0.35	6–8&1–3	2000	B
HS16024S	1CT:1CT	1CT:2.0CT	140/25Typ	15	0.4	0.3	6–8&1–3	2000	A
HS16025S	1CT:1CT	1CT:2.0CT	140/25Typ	15	0.4	0.3	6–8&1–3	2000	B

TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

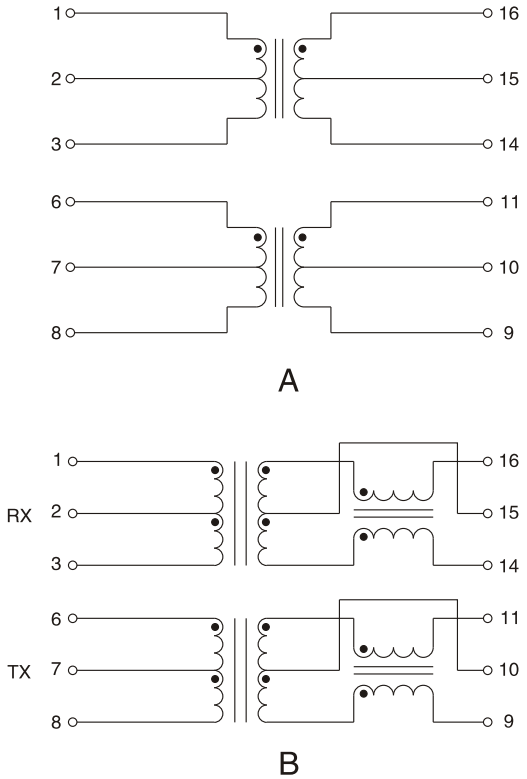
- Dimmension: mm
- Isolation Hi–pot: 1500Vrms(pri/sec)
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.



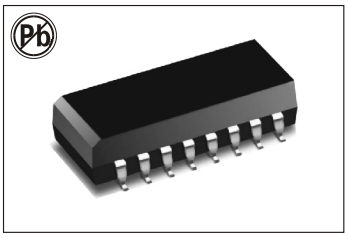
Dimensions in mm

Unless otherwise specified all tolerances are ±0.25



1000 BASE–T TRANSFORMER MODULES

L-KLS18-HS16008S-16009S SERIES



FEATURES:

- Compliant with IEE 802.3u and ANSI X.3.263 Standards including 350uH OCL with 8mA bias
- Cable interface for isolation and low common mode emissions
- Meet FCC Class B Approval.
- SMT Pick & Place Available

OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

COMMON APPLICATIONS:

- Cable interface for isolation and low common mode emissions.
- Designed to fit with Intel, Panasonic, Asus, Semiconductor.
- Designed for reflow soldering at temperature up to 234℃ non–RoHS, 260℃ RoHS.

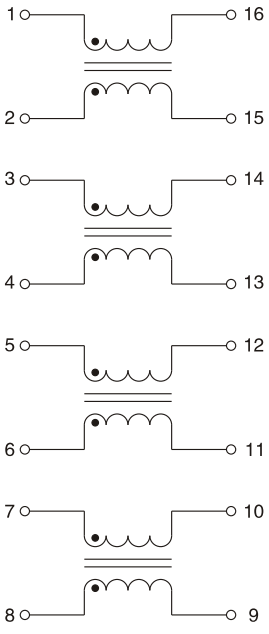
ELECTRICAL SPECIFICATION @25℃–Operating Temperature 0℃ to 70℃

Part No.	Turns Ratio Rx:Tx ±2% Max	Insertion Loss (dB Max) 100K–100MHz	Return Loss (dB Min @ 100Ω)				Crosstalk (db Type)			Differential to common mode rejection (dBMIN)			Isolation Volage (Vrms)
			0.5–30 MHz	40 MHz	50 MHz	60–80 MHz	30 MHz	60 MHz	100 MHz	30 MHz	50 MHz	100 MHz	
HS16008S	1CT:1CT	–0.1	–18	–16	–14	–12	–35	–35	–35	–40	–40	–40	1500CT
HS16009S	1:1:1:1:1:1:1:1	–0.1	–20	–20	–18	–14	–50	–40	–40	–42	–36	–33	1500CT

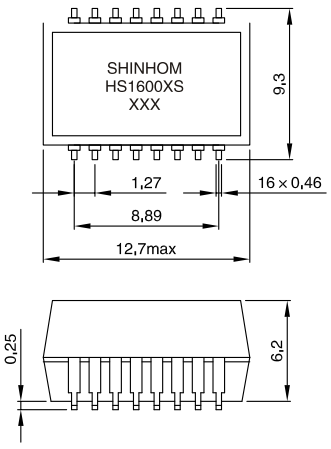
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

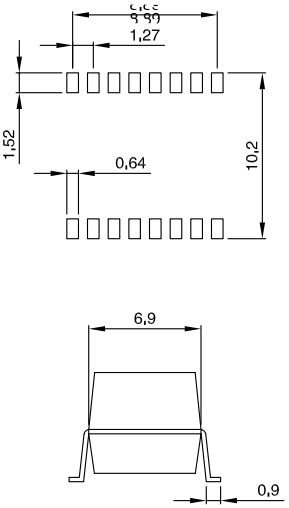
- Dimmension: Inch/mm
- Isolation Hi–pot: 1500Vrms(pri/sec)
- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

  Note:All specifications subject to change without notice.

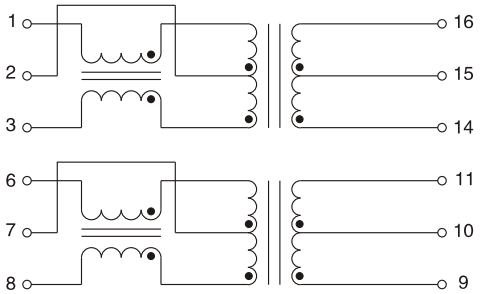


HS16009S





Dimensions in mm



HS16008S

Unless otherwise specified all tolerances are ±0.25

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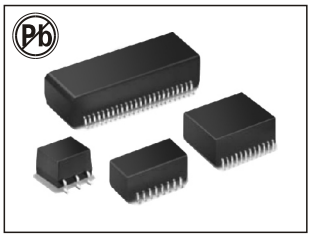


10/100 Base – T Magnetics Modules

L-KLS18-LAN-100S SERIES

FEATURES:

- IEEE 802.3,ANSI X3.263
- SMT & Thru Hole available
- Miniature size

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

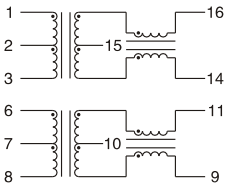
- 10/100 Base – T Single Port

STANDARD SPECIFICATIONS

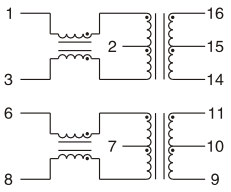
Part Number	Tums Ratio ± 2%		Insertion Loss 1–100MHz (dB Max)	Cross Talk 0.1–100MHz (dB Min)	CMR 0.1–100MHz (dB Min)	Return Loss (dB Max)			SCH	Package
	Tx	RX				30MHz	50MHz	80MHz		
LAN–101	1CT : 1CT	1CT : 1CT	1.1	35	30	18	15	13	1	A
LAN–102	1CT : 1CT	1CT : 1CT	1.1	35	30	18	15	13	2	A
LAN–103	2CT : 1CT	1CT : 1CT	1.1	35	30	18	13	13	1	A
LAN–104	1.41CT : 1CT	1CT : 1CT	1.1	35	30	18	13	13	1	A
LAN–121	1CT : 1CT	1CT : 1CT	1.2	38	42	18	13	12	3	B
LAN–122	1CT : 1CT	1CT : 1CT	1.2	38	38	16	13	12	4	B
LAN–123	2CT : 1CT	1CT : 1CT	1.2	38	35	16	13	12	4	B
LAN–124	1CT : 1.41CT	1CT : 1CT	1.2	38	42	16	13	12	3	B
LAN–125	1CT : 1.41CT	1CT : 1CT	1.2	38	38	16	13	12	4	B

- Primary OCL Tx & Rx: 350 μ H Min @ Idc=8mA
- Hipot : 1500 VRMS

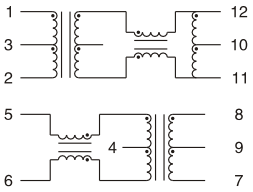
Schematic1



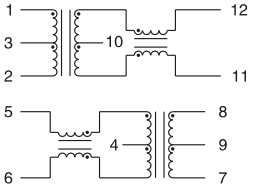
Schematic2



Schematic3

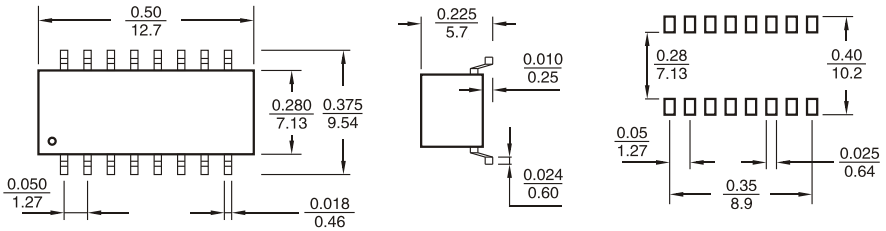


Schematic4



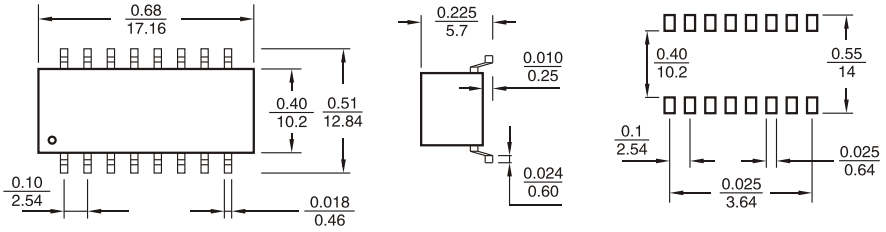
Dimmension: Inch/mm

Package A:



Recommended Pad Layout

Package B:



Recommended Pad Layout

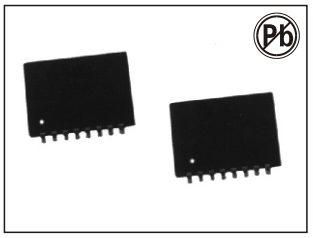
TECHNICAL INFORMATION:

- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.

HOME PHONE NETWORKING MAGNETIC MODULES

L-KLS18-HPN-101SERIES



FEATURES:

- Bandpass filter
- Isolation and EMI Filtering

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

COMMON APPLICATIONS:

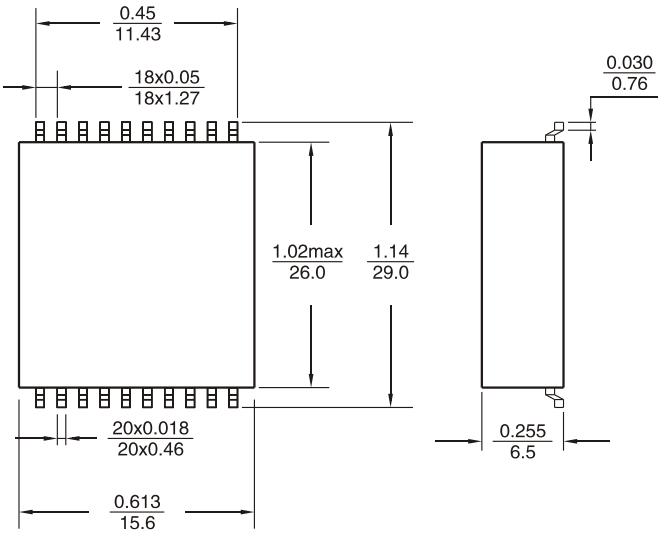
- Home Phone Networking

STANDARD SPECIFICATIONS

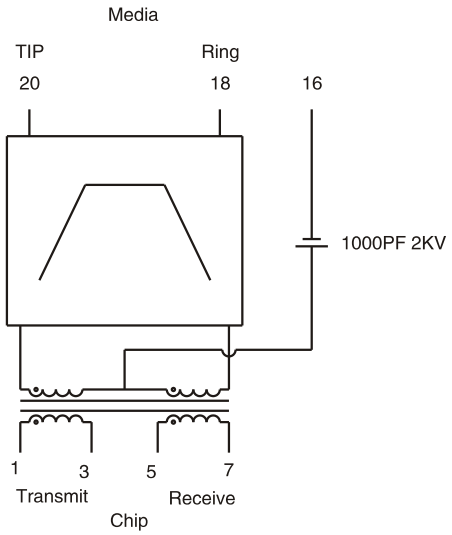
Part No.	Cut–off Frequency		Insertion Loss 4.25MHz–9.75MHz		Return Loss MHz	Allenuation			CMR	Turns Ratio	
HPN–101	Lower Band	Higher Band	(db) Min	(db) Max	(db Min) 6.0MHz–9.0MHz	(db) 1.1MHz	22MHz	(db) 54MHz	(db Min) 200KHz–22MHz	20–18 :1–3	20–18 :5–7
	3.5MHz	11.5MHz	1.0	2.2	12	60	35	40	40	1:0.667	1:2

Hipot: 1500VRMS 1–3 TO 18–20,5–7 to 18–20

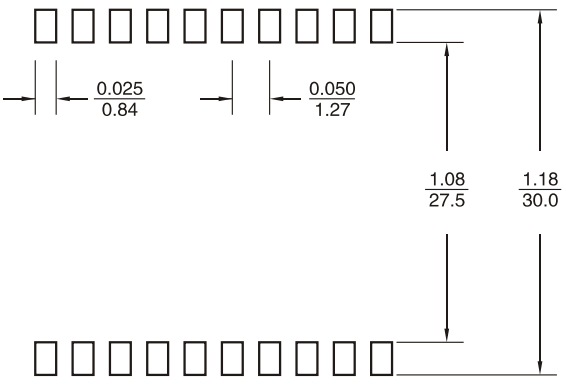
Dimmension: Inch/mm



SCHEMATIC:



Recommended Pad Layout



TECHNICAL INFORMATION:

- Soldering methods:Wave,Reflow
- Operating Temperature: 0℃ to 70℃
- Storage Temperature: –55℃ to 125℃

Note:All specifications subject to change without notice.

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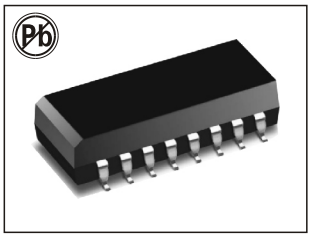


10/100 BASE – T MAGNETICS MODULES

L-KLS18-LAN-400 SERIES

FEATURES:

- IEEE 802.3 Ethernet Compatible
- Quad Port
- Surface Mountable

OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

COMMON APPLICATIONS:

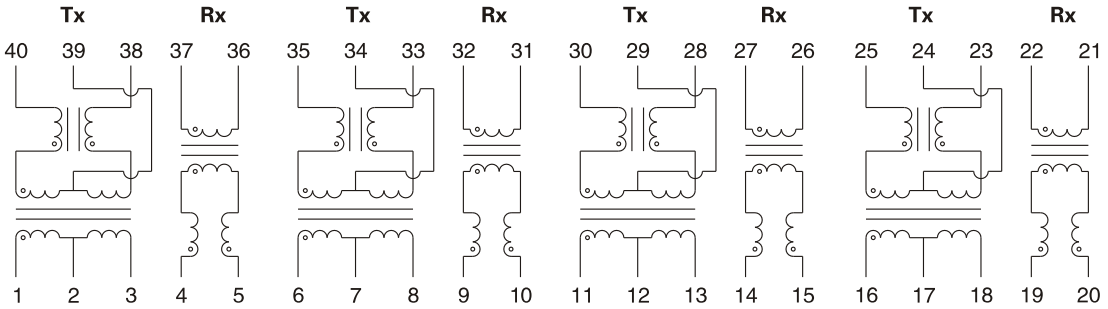
- Multiport Repeater & Ethernet Switching HUB

STANDARD SPECIFICATIONS

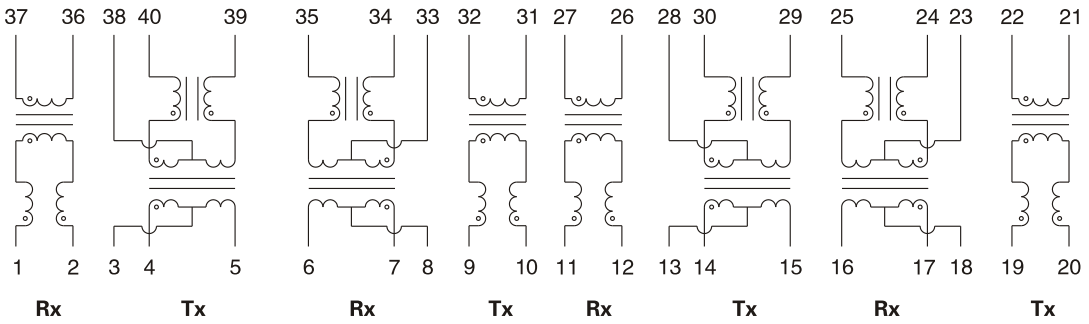
Part No.	Return Loss (dB Min @ 100Ω)				CMR (dB Min)	Crosstalk (db Min)		Turns Ratio	
								Tx	Rx
	0.5–30 Mhz	40 Mhz	50 Mhz	60–80 Mhz	0.1–100 Mhz	0.1–100 Mhz	±2% Max	±2% Max	
LAN-401	18	15.5	13.6	12	40	38	1CT:1.41CT	1 : 1	
LAN-402	18	15.5	13.6	12	40	38	1CT:1.41CT	1 : 1	

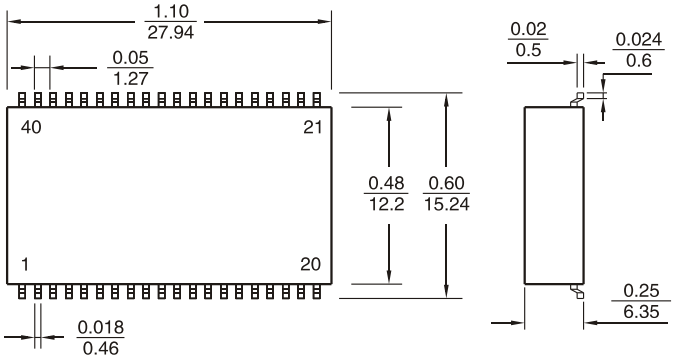
Insertion Loss:–1.1 dB Max @ 1–100 MHz Inductance: 350 μ H Min @ Idc=8mA
Hipot: 1500 VRMS Min

LAN – 401

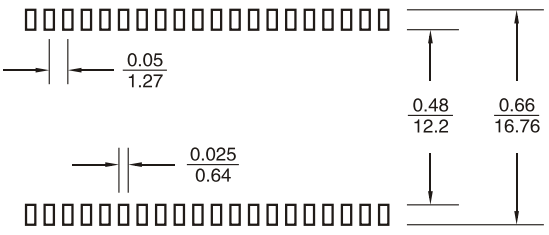


LAN – 402





Recommended Pod Layout



Dimmension: inch/mm

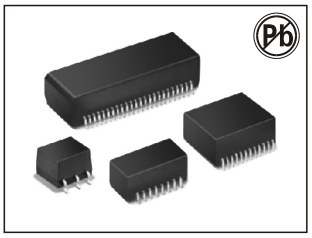
TECHNICAL INFORMATION:

- Soldering methods:Wave,Reflow
- Operating Temperature: 0℃ to 70℃
- Storage Temperature: –55℃ to 125℃

Note:All specifications subject to change without notice.

PCMCIA 10/100 Base – Tx LAN MAGNETICS MODULES

L-KLS18-LAN-500SERIES



FEATURES:

- IEEE 802.3 Compliant
- PCMCIA

OPTIONS:

- Tape & Reel is Standard
- Custom design available

COMMON APPLICATIONS:

- PCMCIA LAN Card
- Type Ⅰ & Ⅱ Cards

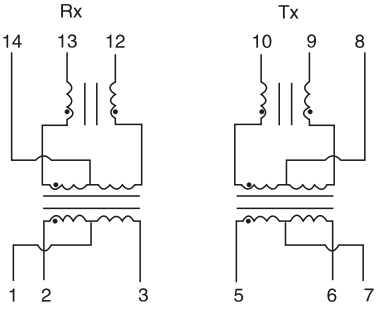
STANDARD SPECIFICATIONS

Part Number	Turns Ratio ± 2%		Insertion Loss	Cross Talk	CMR	Return Loss(dB Min)				Schematic	Package
	Tx	Rx	1–100MHz (dB Max)	0.1–100MHz (dB Min)	0.1–100MHz (dB Min)	0.5–30MHz	50MHz	80MHz	60–80MHz		
LAN–501	1CT:1CT	1CT:1CT	1.1	35	30	18	15	13	11	1	A
LAN–502	1.41CT:1CT	1CT:1CT	1.1	35	30	18	15	13	11	1	A
LAN–503	1CT:1CT	1CT:1CT	1.1	35	30	18	15	13	11	2	B
LAN–504	1.41CT:1CT	1CT:1CT	1.1	35	30	18	15	13	11	2	B

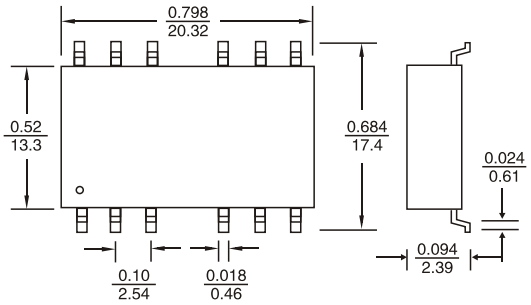
- Primary OCL Tx & Rx: 350 μ H Min @ Idc=8mA
- Hipot : 1500 VRMS

Dimmension:Inch/mm

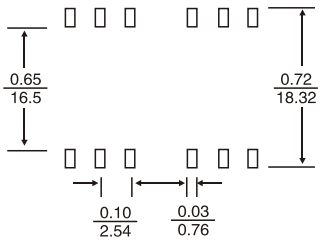
Schematic1(Ref Broadcom BCM5201 application)



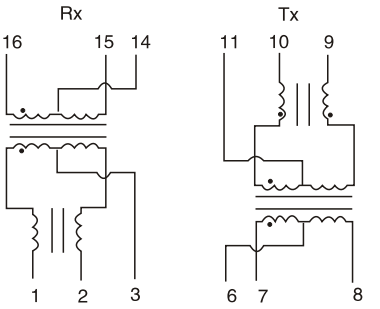
Package:A



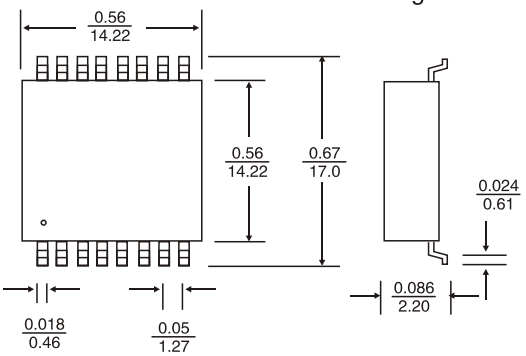
Recommended Pod Layout



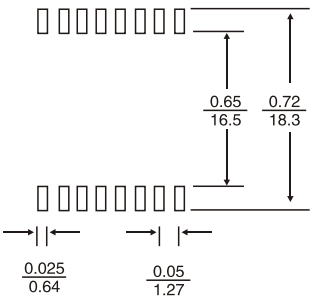
Schematic1(Ref Qualty Semi QS6612 application)



Package:B



Recommended Pod Layout



TECHNICAL INFORMATION:

- Soldering methods:Wave,Reflow
- Operating Temperature: 0℃ to 70℃
- Storage Temperature: –55℃ to 125℃

Note:All specifications subject to change without notice.

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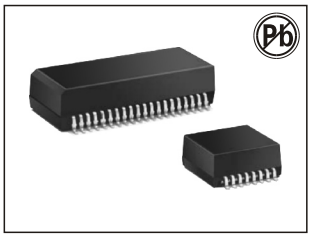


1000 BASE–T MAGNETICS MODULES

L-KLS18-LAN-1000SERIES

FEATURES:
- 1:1 Turns Ratio
- Full Duplex Compatible
- IEEE 802.3 Compliant

OPTIONS:
- Tape & Reel is Standard
- Bulk upon request

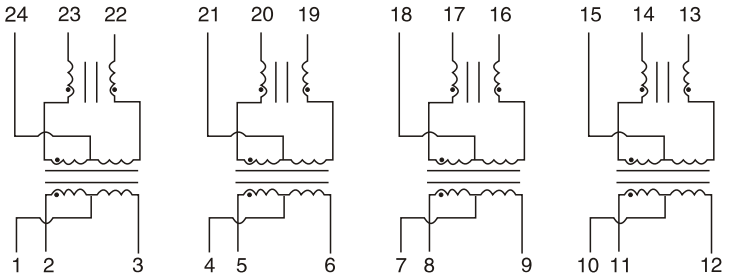
COMMON APPLICATIONS:
- Gigabit Ethernet 100/1000 Base –T
- 4 pair Category 5 UTP cable

STANDARD SPECIFICATIONS

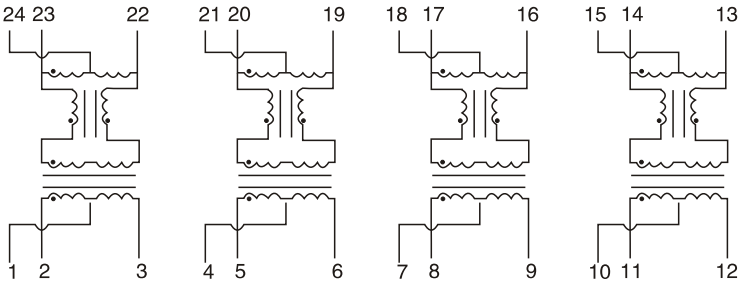
Part Number	Return Loss (dB Min @ 100Ω)					Differential to Common Mode Reiection(dB Min)			Cross talk (dB Min)		
	1–30 MHz	40 MHz	50 Mhz		60–80 MHz	30 MHz	60 Max	100 Max	30 Max	60 Max	100 Max
LAN–1001	18	14.4	13.1	12	10	43	37	33	45	40	35
LAN–1002	18	14.4	13.1	12	10	43	37	33	45	40	35

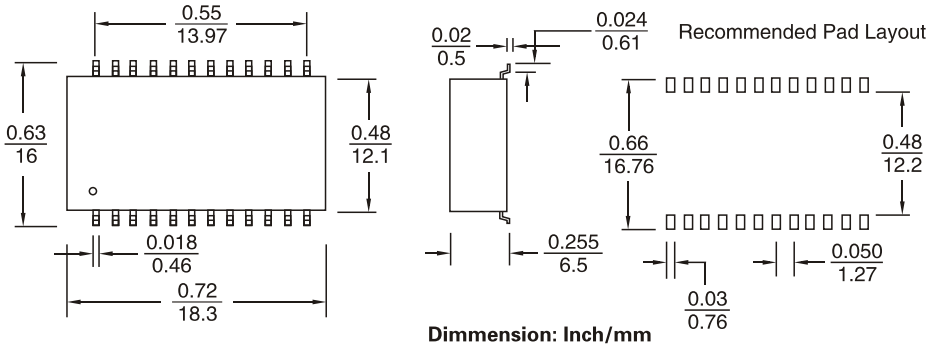
Insertion Loss: 1.0dB Max @ 1–100 Mhz OCL:350 μH Min 8mA DC bias (line side)
Hipot:1500 VRMS Min

LAN – 1001



LAN – 1002





Dimmension: Inch/mm

TECHNICAL INFORMATION:

- Soldering methods:Wave,Reflow
- Operating Temperature:0℃ to 70℃
- Storage Temperature:–55℃ to 125℃

Note:All specifications subject to change without notice.

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