

Leaded Inductor Line Choke

LIL Series



MERITEK

PART NUMBERING SYSTEM

LI L 1011 K 1R8 COQM
 (1) (2) (3) (4) (5) (6)

No	Item	Digit	Description	Series Reference
(1)	Meritek Series	LI	Leaded Inductor	
(2)	Type	L	L: Line Filter	
(3)	Dimension	1011	1011: Dimension 9.65x11.43(mm)	Footprint information or Size Code
(4)	Tolerance	K	K: $\pm 10\%$	L: $\pm 15\%$, M: $\pm 20\%$
(5)	Inductance	1R8	1R8: 1.80 μ H	2R9: 2.90 μ H, 3R8: 3.80 μ H
(6)	Package Code	COQM	COQM: Leaded Type Line Filter	CPRM

PACKAGE CODE REFERENCE TABLE

LI Series	Type	Package Code	Picture	Inductance (μ H)
LIL	Line Choke	LIL-COQM		1.80~20.0 μ H
LIL	Line Choke	LIL-CPRM		0.33~60.0 μ H

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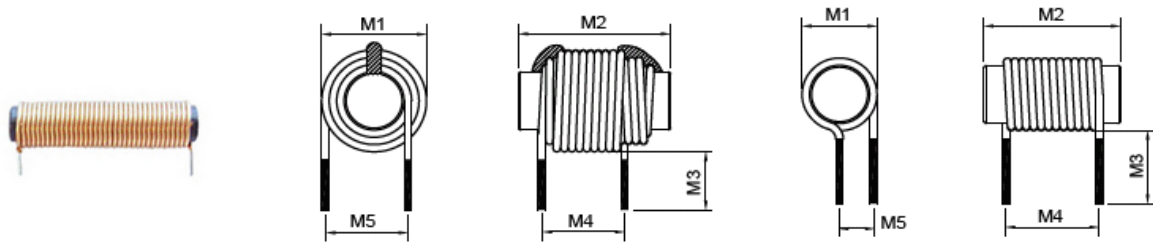
LIL-COQM PACKAGE PART NUMBERING SYSTEM

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LI **L** **1011** **K** **1R8** **COQM**
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(6)	Package Code	COQM	COQM: Leaded Type Line Filter	CPRM

DIMENSION



Unit: mm

Item	M1 Max.	M2 Ref.	M3 Ref.	M4 Ref.	M5 Ref.
LIL1011-1R8COQM	9.65	11.43	19.05	7.37	7.37
LIL1011-2R9COQM	9.65	11.43	19.05	8.64	7.37
LIL1011-3R8COQM	9.65	11.43	6.35	8.64	7.11
LIL1011-4R3COQM	9.65	11.43	6.35	10.16	7.11
LIL1319-5R0COQM	12.70	19.05	19.05	11.43	8.64
LIL1017-6R8COQM	9.65	16.51	6.35	8.64	7.11
LIL1017-100COQM	9.65	16.51	6.35	11.94	7.11
LIL1017-110COQM	9.65	16.51	19.05	10.16	7.11
LIL1019-130COQM	9.65	19.05	19.05	11.43	7.11
LIL1017-140COQM	9.65	16.51	6.35	12.70	7.11
LIL1019-170COQM	9.65	19.05	19.05	11.94	7.11
LIL1020-200COQM	9.65	20.06	19.05	17.78	7.11

ELECTRICAL CHARACTERISTICS

L Code	L (μ H)	Tolerance ($\pm\%$)	Test Condition	Max. DCR (Ω)
1R8	1.80	K, L, M	1KHz, 1.0V	0.10
2R9	2.90	K, L, M	1KHz, 1.0V	0.10
3R8	3.80	K, L, M	1KHz, 1.0V	0.06
4R3	4.25	K, L, M	1KHz, 1.0V	0.12
5R0	5.00	K, L, M	1KHz, 1.0V	0.50
6R8	6.80	K, L, M	1KHz, 1.0V	0.10
100	10.0	K, L, M	1KHz, 1.0V	0.10
110	11.0	K, L, M	1KHz, 1.0V	0.06
130	13.0	K, L, M	1KHz, 1.0V	0.10
140	14.0	K, L, M	1KHz, 1.0V	0.10
170	17.0	K, L, M	1KHz, 1.0V	0.10
200	20.0	K, L, M	1KHz, 1.0V	0.10

Notes:

- Operating Temp: -40°C to +105°C (including self-temperature rise).
- Storage Temp: -40°C to +85°C.
- L measured using the HP4284A; Chroma 3302+1320.
- DCR measured using the Chroma 16502 milli- Ω meter.

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LIL-CPRM PACKAGE

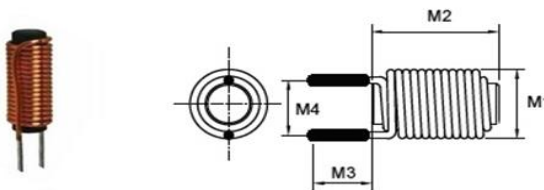
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PART NUMBERING SYSTEM

LI L 0610 K R33 CPRM
(1) (2) (3) (4) (5) (6)

No	Item	Digit	Description	Series Reference
(1)	Meritek Series	LI	Leaded Inductor	
(2)	Type	L	L: Line Filter	
(3)	Dimension	0610	0610: Dimension: 6.00x10.0(mm)	Footprint information or Size Code
(4)	Tolerance	K	K: $\pm 10\%$	L: $\pm 15\%$, M: $\pm 20\%$
(5)	Inductance	R33	R33: 0.33 μ H	2R5: 2.50 μ H, 3R0: 3.00 μ H
(6)	Package Code	CPRM	CPRM: Leaded Type Line Filter	COQM

DIMENSION



Unit: mm

Item	M1 Max.	M2 Ref.	M3 Ref.	M4 Ref.
LIL0610-R33CPRM	6.00	10.0	5.00	7.00
LIL1016-R40CPRM	10.0	16.0	10.0	10.5
LIL0920-R70CPRM	9.00	20.0	5.00	12.0
LIL1120-1R0CPRM	11.0	20.0	15.0	7.50
LIL0916-1R5CPRM	9.00	16.0	5.00	7.50
LIL1120-2R2CPRM	11.0	20.0	15.0	7.50
LIL0720-2R5CPRM	7.40	20.0	5.00	9.00
LIL0819-3R0CPRM	8.00	19.0	5.00	10.0
LIL1120-4R7CPRM	11.0	20.0	15.0	7.50
LIL1325-5R3CPRM	13.2	24.9	3.80	10.7
LIL1224-6R2CPRM	12.0	24.0	4.00	8.50
LIL1225-100CPRM	12.0	25.0	4.00	8.70
LIL1112-150CPRM	11.0	12.0	5.00	10.5
LIL1233-570CPRM	12.0	33.0	13.0	12.5
LIL1232-600CPRM	12.0	31.8	28.0	12.5

ELECTRICAL CHARACTERISTICS

L Code	L (μ H)	Tolerance ($\pm\%$)	Test Condition	Max. DCR (m Ω)
R33	0.33	K, L, M	1KHz, 1.0V	4.00
R40	0.40	K, L, M	1KHz, 1.0V	10.0
R70	0.70	K, L, M	1KHz, 1.0V	10.0
1R0	1.0	K, L, M	1KHz, 1.0V	10.0
1R5	1.5	K, L, M	1KHz, 1.0V	8.00
2R2	2.2	K, L, M	1KHz, 1.0V	13.0
2R5	2.5	K, L, M	1KHz, 1.0V	6.00
3R0	3.0	K, L, M	1KHz, 1.0V	10.0
4R7	4.7	K, L, M	1KHz, 1.0V	20.0
5R3	5.3	K, L, M	1KHz, 1.0V	5.50
6R2	6.2	K, L, M	1KHz, 1.0V	15.0
100	10	K, L, M	1KHz, 1.0V	25.0
150	15	K, L, M	1KHz, 1.0V	70.0
570	57	K, L, M	1KHz, 1.0V	60.0
600	60	K, L, M	1KHz, 1.0V	60.0

Notes: Operating Temp: -40°C to +105°C (including self-temperature rise). Storage Temp: -40°C to +85°C. L measured using the HP4284A; Chroma 3302+1320. DCR measured using the Chroma 16502 milli- Ω meter.