

# Leaded Inductor Toroidal Coil

LIO Series



MERITEK

## PART NUMBERING SYSTEM

LI   O   2212   M   800   OL  
 (1) (2) (3) (4) (5) (6)

No	Item	Digit	Description	Series Reference
(1)	Meritek Series	LI	Leaded Inductor Series	
(2)	Type	O	O: Toroidal Coil	
(3)	Dimension	2212	Height x Thickness: 22.0x12.0(mm)	Footprint information or Size Code
(4)	Tolerance	M	M: ±20%	F: ±1%, G: ±2%, J: ±5%, N: ±30%
(5)	Inductance	800	800: 80µH	90N: 90nH, R10: 0.1µH, 102: 1000µH
(6)	Package Code	OL	OL: Leaded Type Toroidal Coil	Package Reference Code

## PACKAGE CODE REFERENCE TABLE

<u>LI Series</u>	<u>Type</u>	<u>Package Code</u>	<u>Picture</u>	<u>Inductance (µH)</u>	<u>Rated Current (A)</u>
LIO	Toroidal Coil	<a href="#">LIO2212-OL</a>		80~6800µH	0.8~0.5A
LIO	Toroidal Coil	<a href="#">LIO0606-OL</a>		90~350nH	0.6A

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## LIO2212-OL PACKAGE

[Back to Top](#)

### FEATURE

- For normal mode line filter.
- For smoothing switching power supplies output.
- Operating Temperature: -25°C ~+105°C



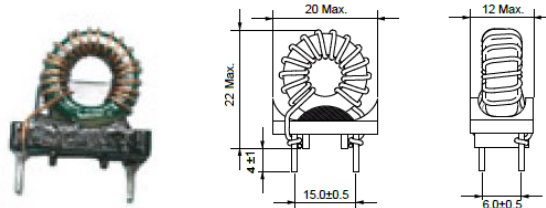
### PART NUMBERING SYSTEM

LI O 2212 M 800 OL  
(1) (2) (3) (4) (5) (6)



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### DIMENSION



Unit: mm

### ELECTRICAL CHARACTERISTICS

L Code	L (μH)	Tolerance (±%)	Test Condition	Max. DCR (Ω)	Rated Current (A)
800	80	M, N	1KHz, 1.0V	0.05	0.5
101	100	M, N	1KHz, 1.0V	0.50	0.5
441	440	M, N	1KHz, 1.0V	0.08	0.8
102	1000	M, N	1KHz, 1.0V	0.10	0.8
302	3000	M, N	1KHz, 1.0V	1.00	0.5
332	3300	M, N	1KHz, 1.0V	0.25	0.5
682	6800	M, N	1KHz, 1.0V	0.35	0.5

Notes:

1. Temperature Rise ≤ 40°C
2. Insulation resistance: Between coil & core 100MΩ over at 500 (Vdc).
3. Withstanding voltage: Between coil and core 1.5K Vac/ 1minute.

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LIO Series

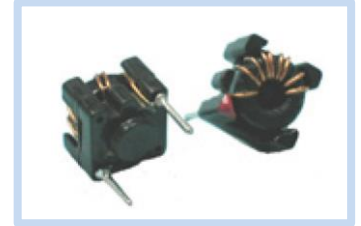
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## LIO0606-OL PACKAGE

[Back to Top](#)

### FEATURE

- For high frequency up to 1GHz.
- Temperature stability 150 ppm/°C.
- High Q up to 150MHz.
- Operating Temp: -20°C ~ +125°C.



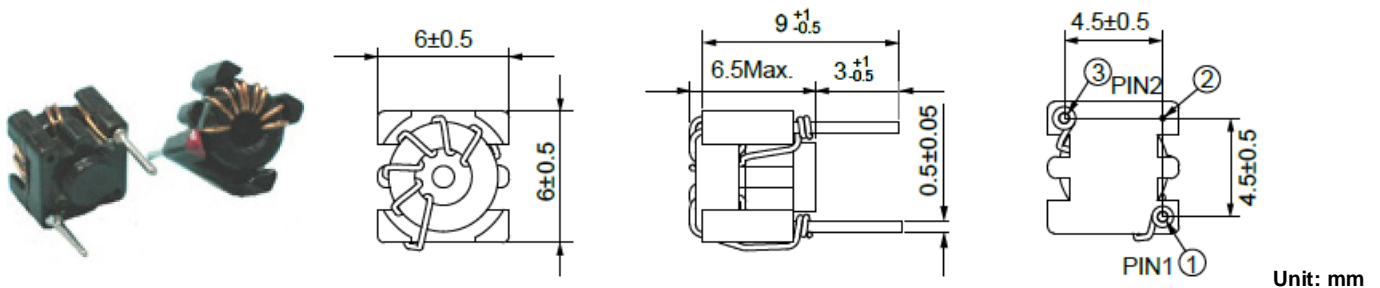
### PART NUMBERING SYSTEM

LI O 0606 J 90N OI  
(1) (2) (3) (4) (5) (6)



No	Item	Digit	Description	Series Reference
(1)	Meritek Series	LI	Leaded Inductor Series	
(2)	Type	O	O: Toroidal Coil	
(3)	Dimension	0606	Height x Thickness: 6.5x6.0(mm)	Footprint information or Size Code
(4)	Tolerance	J	J: ±5%	F: ±1%, G: ±2%
(5)	Inductance	90N	90N: 90nH	R10: 0.1μH, R35: 0.35μH
(6)	Package Code	OI	OI: Leaded Type Toroidal Coil	Package Reference Code

### DIMENSION



### ELECTRICAL CHARACTERISTICS

L Code	L (nH)	Tolerance (±%)	Min. Q	Test Frequency (MHz)	Max. DCR (Ω)	Rated Current (mA)
90N	90	J	80	100	0.035	600
R10	100	J	80	100	0.035	600
R11	110	J	80	100	0.035	600
R12	120	J	80	100	0.035	600
R13	130	J	80	100	0.035	600
R14	140	J	80	100	0.045	600
R15	150	J	80	100	0.045	600
R17	165	J	80	100	0.045	600
R18	180	J	80	100	0.045	600
R20	200	J	80	100	0.045	600
R22	220	J	80	100	0.058	600
R24	240	J	70	100	0.058	600
R28	280	J	70	100	0.058	600
R31	310	J	70	100	0.058	600
R35	350	J	70	100	0.058	600

Notes: Unspecified values and stricter tolerance less than 1% are available on request.