



MRL SERIES
Radial Lead Inductors



DESCRIPTION

The MRL Series is a general-purpose range of inductors suitable for low to medium current applications. Their small footprint makes them ideal for high-density applications where a chip inductor will not cope with the power requirement.



FEATURES

- ▶ Radial Format
- ▶ Up to 1.62A IDC
- ▶ 10 μ H to 68mH
- ▶ Low DC Resistance
- ▶ Miniature Size
- ▶ PCB Mounting
- ▶ MIL-I-23053/5 Class III Sleeving
- ▶ Fully Tinned Leads
- ▶ Supplied in Bags of 100
- ▶ Custom Parts Available

SELECTION GUIDE

Order Code	Inductance $\pm 10\%$ (at 1kHz)	DC Resistance [max]	DC Current Continuous[max]	Nominal Q at f kHz		Nominal Self Resonant Frequency
	μ H	Ω	A	Q	f	MHz
MRL103	10.0	0.05	1.62	40	1000	21.2
MRL153	15.0	0.07	1.35	30	500	19.4
MRL223	22.0	0.09	1.08	30	500	17
MRL333	33.0	0.14	0.90	25	500	11.4
MRL473	47.0	0.22	0.77	25	500	10.9
MRL683	68.0	0.28	0.77	70	100	10.6
MRL104	100.0	0.39	0.67	65	100	8.9
MRL154	150.0	0.54	0.52	80	100	6.2
MRL224	220.0	0.83	0.43	90	100	5.4
MRL334	330.0	1.21	0.38	95	100	4.5
MRL474	470.0	1.65	0.31	100	100	3.2
MRL684	680.0	2.64	0.25	105	100	3.0
MRL105	1mH	3.63	0.17	120	100	2.5
MRL155	1.5mH	6.49	0.13	130	100	2.1
MRL225	2.2mH	8.58	0.11	130	50	1.9
MRL335	3.3mH	10.0	0.10	125	150	1.2
MRL475	4.7mH	13.2	0.081	130	150	0.95
MRL685	6.8mH	22.0	0.072	135	150	0.85
MRL106	10.0mH	37.4	0.063	140	150	0.62
MRL156	15.0mH	49.5	0.054	145	150	0.51
MRL226	22.0mH	82.5	0.045	100	50	0.34
MRL336	33.0mH	110.0	0.036	90	50	0.28
MRL476	47.0mH	154.0	0.027	80	50	0.25
MRL686	68.0mH	242.0	0.018	70	50	0.20

TYPICAL CORE CHARACTERISTICS

Inductance Temperature Coefficient	Resistance Temperature Coefficient	Curie Temperature T _c	Saturation Flux B _{SAT}
350ppm	3900ppm	190°C	325mT



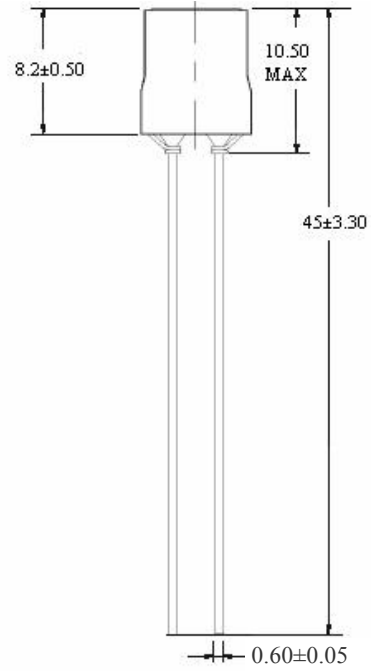
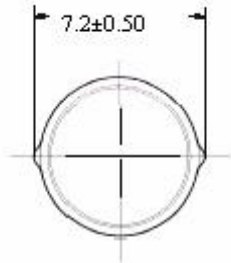
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RoHS Compliant
Directive 2002/95/EC
All parts are ROHS compliant

ABSOLUTE MAXIMUM RATINGS	
Operating free air temperature range	-25°C to 70°C
Storage temperature range	-40°C to 125°C

Specifications typical at $T_A=25^\circ\text{C}$

MECHANICAL DIMENSIONS



Recommended Footprint Details

