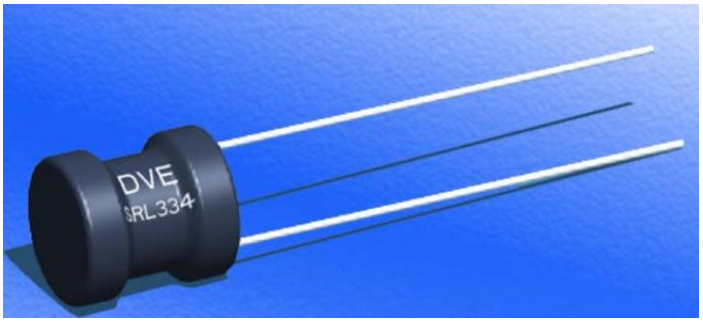
SRL SERIES
Radial Lead Inductors

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

DESCRIPTION

The SRL Series of inductors are particularly suited to use with a wide variety of switching regulators.Offering high current handling with a small footprint,the devices are ideal where space is at a premium.



FEATURES

- Radial Format
- Up to 5.35A IDC
- 4.7µH to 10mH
- Compact Size
- Fully Tinned Leads
- MIL-I-23053/5 Class III Sleeving
- Supplied in Bags of 100
- Custom & Axial Parts Available

SELECTION GUIDE						
	Inductance ±10% (at 1kHz)	DC Resistance [max]	DC Current Continuous[max]	Nominal Q at f kHz		Nominal Self Resonant Frequency
Order Code	µH	mΩ	A	Q	f	MHz
SRL472	4.7	9	5.35	106	1000	35.1
SRL682	6.8	12	4.15	73	500	26.3
SRL103	10	15	3.45	59	500	23.8
SRL153	15	18	3.00	55	500	17.0
SRL223	22	25	2.42	51	500	14.1
SRL333	33	40	2.00	48	500	11.5
SRL473	47	55	1.65	46	500	9.85
SRL683	68	70	1.35	27	100	8.29
SRL104	100	100	1.20	40	100	7.40
SRL154	150	165	1.10	40	100	5.58
SRL224	220	230	0.90	39	100	4.00
SRL254	250	255	0.80	40	100	3.85
SRL334	330	335	0.73	49	100	3.57
SRL474	470	465	0.60	50	100	2.81
SRL684	680	630	0.53	48	100	2.43
SRL105	1mH	1.0 Ω	0.44	92	50	1.82
SRL155	1.5mH	1.5 Ω	0.33	106	50	1.60
SRL225	2.2mH	2.2 Ω	0.30	106	50	1.41
SRL335	3.3mH	3.5 Ω	0.22	139	50	1.04
SRL475	4.7mH	4.6 Ω	0.20	126	40	0.87
SRL685	6.8mH	7.0 Ω	0.15	143	40	0.71
SRL106	10mH	12 Ω	0.13	142	40	0.58

TYPICAL CORE CHARACTERISTICS			
Inductance Temperature Coefficient	Resistance Temperature Coefficient	Curie Temperature Tc	Saturation Flux B_{SAT}
430ppm	4000ppm	190°C	325mT

ABSOLUTE MAXIMUM RATINGS	
Operating free air temperature range	0°C to 70°C
Storage temperature range	-55°C to125°C

1 Tolerance ±15%

Specifications typical at T_A=25ºC

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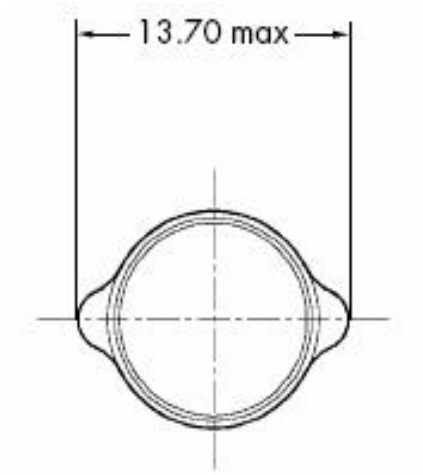
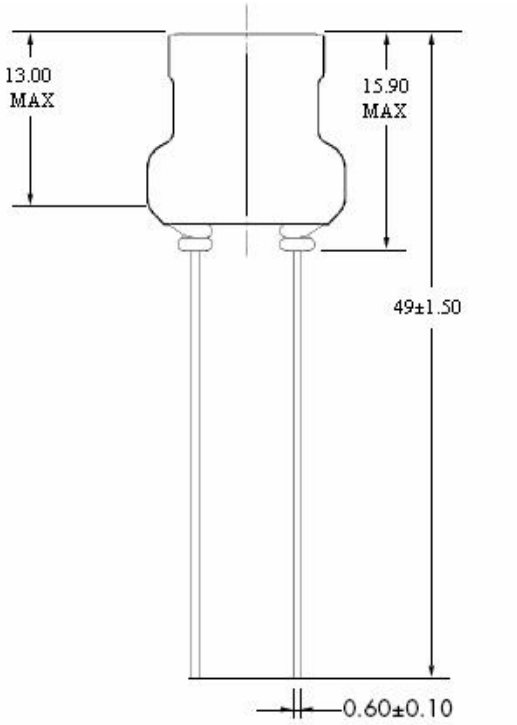
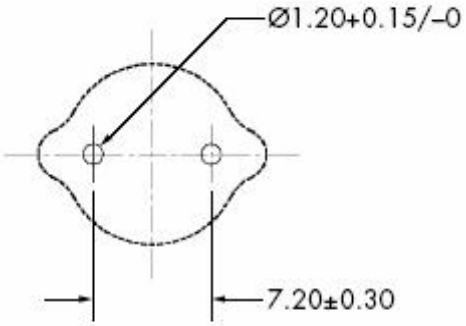
MECHANICAL DIMENSIONS





Recommended Footprint Details



All dimensions in mm