



RL-4015

LOW PROFILE SMD POWER INDUCTOR

DESCRIPTION

- SMD Power Inductor

ENVIRONMENTAL DATA

- Storage temperature range: -55°C to +130°C
- Operating temperature range: -40°C to +130°C

PACKAGING INFORMATION

- Packaging information: pg. 504

FEATURES & APPLICATIONS

- Designed for pick and place operations with a small package size and low profile
- Excellent as a power inductor used in notebook computers and other electronic equipment requiring compact and low-loss inductors
- Available in 6 values with inductance ratings from 1.0 μ H to 100 μ H and currents up to 3.60 A

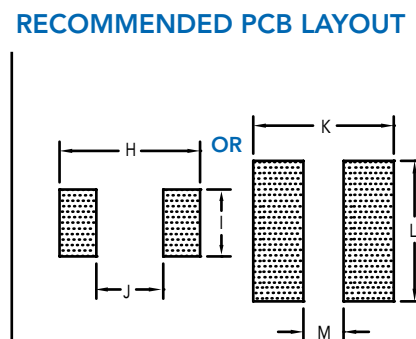
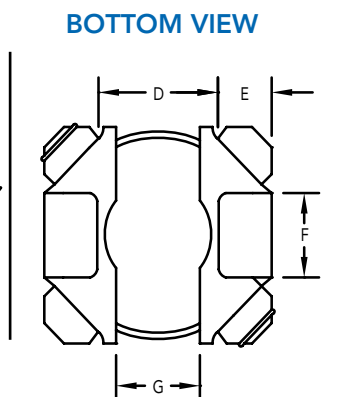
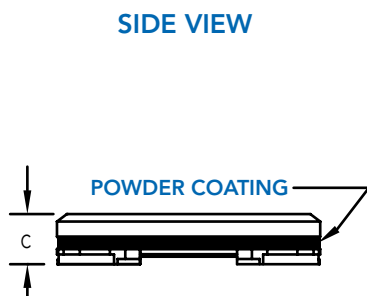
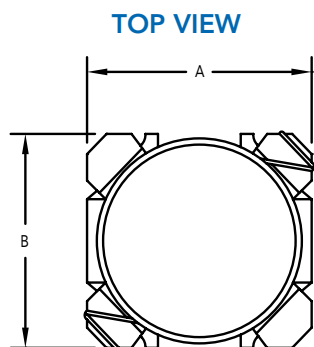
Verify operation with sample in actual circuit. Order samples at www.rencousa.com

MECHANICAL DIMENSIONS

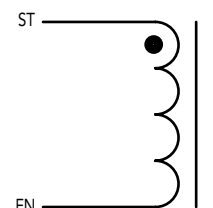
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (MAX.)	D (TYP.)	E (TYP.)	F (TYP.)	G (TYP.)
RL-4015	0.165 (4.20)	0.161 (4.10)	0.060 (1.50)	0.080 (2.10)	0.035 (0.90)	0.062 (1.50)	0.043 (1.10)

PART NUMBER	PART WEIGHT	H (REF.)	I (REF.)	J (REF.)	K (REF.)	L (REF.)	M (REF.)
RL-4015	0.9g (0.03oz)	0.173 (4.40)	0.078 (2.00)	0.078 (2.00)	0.165 (4.20)	0.169 (4.30)	0.040 (1.00)



SCHEMATIC



RECO ELECTRONICS INC.

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Renco Part No. RL-4015	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-4015-1R0N	1.0 $\pm$ 30%	0.048	3.60	1.85
RL-4015-1R5N	1.5 $\pm$ 30%	0.057	2.90	1.70
RL-4015-2R2N	2.2 $\pm$ 30%	0.066	2.50	1.60
RL-4015-3R3N	3.3 $\pm$ 30%	0.094	2.20	1.45
RL-4015-4R7M	4.7 $\pm$ 20%	0.120	1.90	1.30
RL-4015-5R6M	5.6 $\pm$ 20%	0.140	1.60	1.20
RL-4015-6R8M	6.8 $\pm$ 20%	0.170	1.40	1.10
RL-4015-100M	10.0 $\pm$ 20%	0.230	1.10	0.95
RL-4015-150M	15.0 $\pm$ 20%	0.350	0.90	0.75
RL-4015-220M	22.0 $\pm$ 20%	0.490	0.80	0.63
RL-4015-470M	47.0 $\pm$ 20%	1.080	0.55	0.50
RL-4015-101M	100.0 $\pm$ 20%	2.460	0.33	0.38

NOTES:

1. Isat - DC CURRENT THAT WILL CAUSE INDUCTANCE TO DROP BY 30%
2. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
3. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
4. RESISTANCE TO SOLDER HEAT: 260°C FOR 10 SECONDS
5. INDUCTANCE TESTED AT 100 kHz, 0.1 Vrms



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