



RL-9715

SHIELDED 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. 492

FEATURES & APPLICATIONS

- Surface mount power inductors in a low profile
- Excellent as a power inductor used in notebook computers and other electronic equipment requiring compact and low-loss inductors
- Available in 11 values with inductance ratings from 1.0 μ H to 47 μ H and currents up to 3.50 A

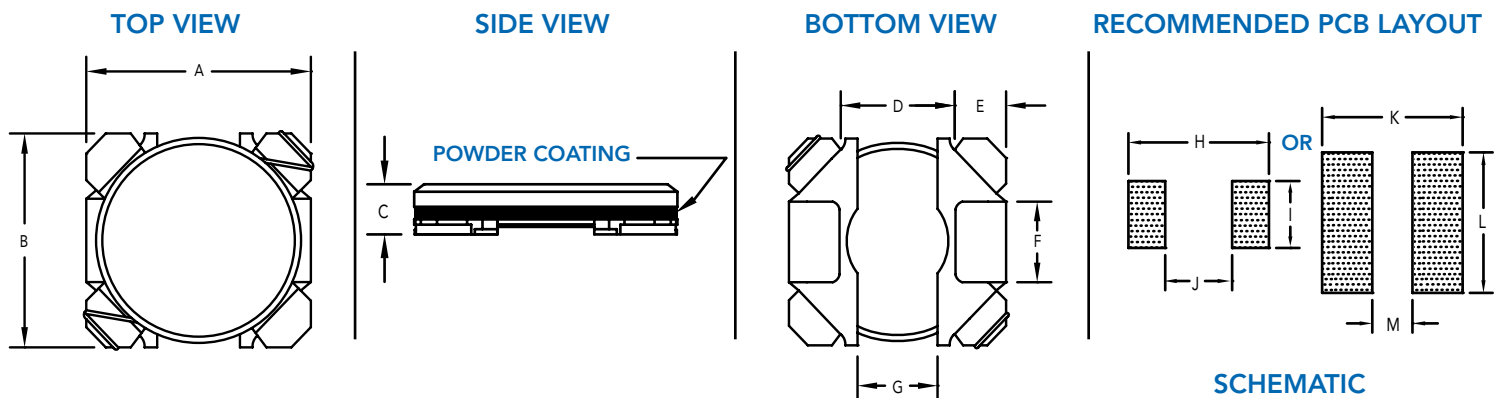
Verify operation with sample in actual circuit. Order samples at www.rencousa.com.

MECHANICAL DIMENSIONS

U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (MAX.)	D (TYP.)	E (TYP.)	F (TYP.)	G (TYP.)
RL-9715	0.204 (5.20)	0.208 (5.10)	0.059 (1.50)	0.110 (2.70)	0.050 (1.16)	0.080 (2.00)	0.059 (1.50)

PART NUMBER	PART WEIGHT	H (REF.)	I (REF.)	J (REF.)	K (REF.)	L (REF.)	M (REF.)
RL-9715	1.0g (0.04oz)	0.212 (5.40)	0.094 (2.40)	0.098 (2.50)	0.212 (5.40)	0.212 (5.40)	0.055 (1.40)



RENCO ELECTRONICS INC.

595 International Place, Rockledge, FL 32955-4200 USA • www.rencousa.com • ISO 9001 Certified
Toll Free Engineering Hot Line: 800.645.5828 • P: 321.637.1000 • F: 321.637.1600



RL-9715

Renco Part No. RL-9715	Inductance (μ H)	DCR Max. (Ohms)	Isat (A)	Irms (A)
RL-9715-1R0N	1.0 $\pm$ 30%	0.052	3.50	2.05
RL-9715-1R5N	1.5 $\pm$ 30%	0.061	3.00	1.90
RL-9715-2R2N	2.2 $\pm$ 30%	0.071	2.50	1.75
RL-9715-3R3N	3.3 $\pm$ 30%	0.092	2.10	1.65
RL-9715-4R7M	4.7 $\pm$ 20%	0.100	1.90	1.55
RL-9715-6R8M	6.8 $\pm$ 20%	0.140	1.60	1.35
RL-9715-100M	10.0 $\pm$ 20%	0.210	1.30	1.10
RL-9715-150M	15.0 $\pm$ 20%	0.280	1.00	0.97
RL-9715-220M	22.0 $\pm$ 20%	0.400	0.80	0.79
RL-9715-330M	33.0 $\pm$ 20%	0.610	0.65	0.60
RL-9715-470M	47.0 $\pm$ 20%	0.850	0.55	0.51

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, 0.1Vrms



RENCO ELECTRONICS INC.

595 International Place, Rockledge, FL 32955-4200 USA • www.rencousa.com • ISO 9001 Certified
Toll Free Engineering Hot Line: 800.645.5828 • P: 321.637.1000 • F: 321.637.1600

