

RL-9750-2

THRU-HOLE AC LINE FILTER

DESCRIPTION

- Thru-Hole AC Line Filter

ENVIRONMENTAL DATA

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

PACKAGING INFORMATION

- Packaging information: pg. 495

FEATURES & APPLICATIONS

- Used in low to medium power AC-DC power supplies
- Signal line filtering
- Wide range of selection
- High impedance at applicable frequency
- Dielectric withstanding voltage rated at 2500 VAC line to line
- Designed for line to neutral safety clearance
- Low cost

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

MECHANICAL DIMENSIONS

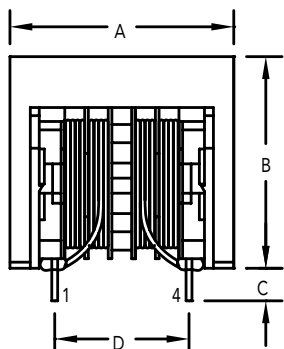
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E (MAX.)	F ±0.02 (0.50)
RL-9750-2	1.12 (28.50)	1.08 (27.50)	0.20 (5.00)	0.65 (16.50)	0.75 (19.00)	0.39 (10.00)

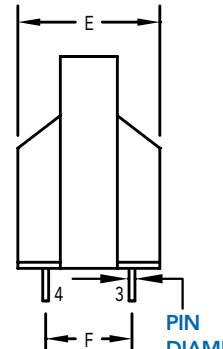
PART NUMBER	PART WEIGHT
RL-9750-2	18.0g (0.63oz)

G ±0.002 (0.05)	H ±0.002 (0.05)
0.65 (16.50)	0.39 (10.00)

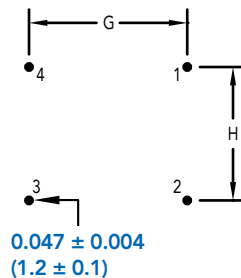
FRONT VIEW



SIDE VIEW



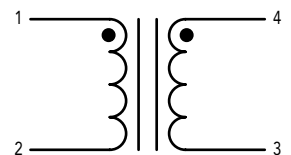
RECOMMENDED LAND PATTERN



0.047 ± 0.004
(1.2 ± 0.1)

PIN DIAMETER
0.031 ± 0.004
(0.8 ± 0.1) (4PL)

SCHEMATIC



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RL-9750-2

Renco Part No. RL-9750-2	Inductance (mH) Min.	DCR (Ohms) ± 20%	I _{rms} (A) Max.
RL-9750-2-1.4	1.4	0.045	3.2
RL-9750-2-2.4	2.4	0.080	2.5
RL-9750-2-4.2	4.2	0.130	2.0
RL-9750-2-6.0	6.0	0.185	1.6
RL-9750-2-9.5	9.5	0.300	1.2
RL-9750-2-15.0	15.0	0.465	1.0
RL-9750-2-20.0	20.0	0.670	0.8
RL-9750-2-35.0	35.0	1.100	0.6
RL-9750-2-50.0	50.0	1.680	0.5
RL-9750-2-80.0	80.0	2.720	0.4

NOTES:

1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
2. I_{rms} - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
3. INDUCTANCE TESTED AT 10 kHz, 0.1 V_{rms}

