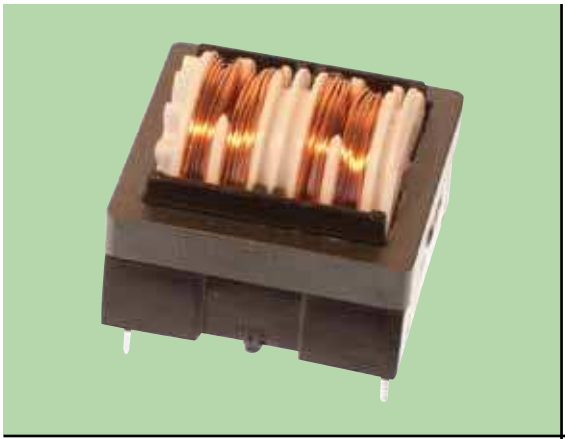


RL-9750-3HM

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

- Low profile
- High self-resonant frequency
- High impedance at applicable frequency
- Dielectric withstanding voltage rated at 2500 VAC line to line
- Used in medium wattage AC-DC power supplies

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

MECHANICAL DIMENSIONS

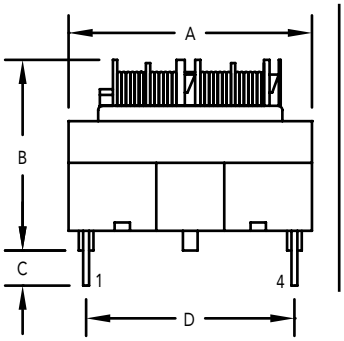
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E (MAX.)	F ±0.02 (0.50)
RL-9750-3HM	0.99 (25.00)	0.81 (20.50)	0.20 (5.00)	0.83 (21.00)	0.98 (26.00)	0.60 (15.00)

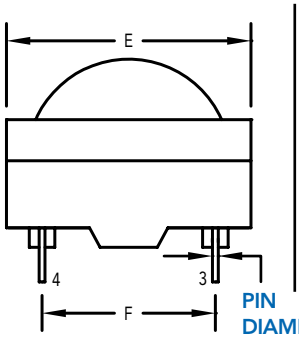
PART NUMBER	PART WEIGHT
RL-9750-3HM	17.0g (0.60oz)

G ±0.004 (0.10)	H ±0.004 (0.10)
0.83 (21.00)	0.60 (15.00)

FRONT VIEW

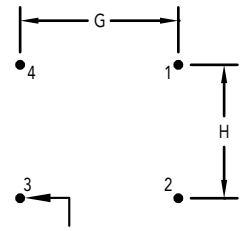


SIDE VIEW



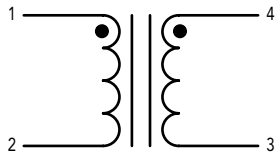
PIN DIAMETER
0.031 ± 0.004
(0.8 ± 0.1) (4PL)

RECOMMENDED LAND PATTERN



0.047 ± 0.004
(1.2 ± 0.1)

SCHEMATIC



RoHS COMPLIANT

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-9750-3HM

Renco Part No. RL-9750-3HM	Inductance (mH) Min.	DCR (Ohms) ± 20%	Irms (A) Max.
RL-9750-3HM-0.56	0.56	0.030	3.4
RL-9750-3HM-1.2	1.2	0.043	3.0
RL-9750-3HM-1.5	1.5	0.076	2.4
RL-9750-3HM-2.2	2.2	0.084	2.2
RL-9750-3HM-2.7	2.7	0.111	2.0
RL-9750-3HM-3.3	3.3	0.138	1.8
RL-9750-3HM-3.9	3.9	0.176	1.5
RL-9750-3HM-5.6	5.6	0.191	1.4
RL-9750-3HM-6.8	6.8	0.290	1.2
RL-9750-3HM-8.2	8.2	0.374	1.0
RL-9750-3HM-10.0	10.0	0.384	1.0
RL-9750-3HM-12.0	12.0	0.595	0.9
RL-9750-3HM-18.0	18.0	0.655	0.8
RL-9750-3HM-27.0	27.0	1.136	0.6
RL-9750-3HM-33.0	33.0	1.184	0.5
RL-9750-3HM-39.0	39.0	1.332	0.5
RL-9750-3HM-68.0	68.0	2.319	0.4

NOTES:
1. ELECTRICAL SPECIFICATIONS MEASURED AT 25°C
2. Irms - CURRENT THAT CAUSES THE TEMPERATURE TO RISE APPROX. 40°C ABOVE AMBIENT OF 25°C
3. INDUCTANCE TESTED AT 10 kHz, 0.1 Vrms

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