

# RL-9750-3HL

## 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

- High impedance at applicable frequency
- Provides excellent noise suppression for high frequency ranges
- Low cost
- Dielectric withstanding voltage rated at 2500 VAC line to line
- Low profile

Verify operation with sample in actual circuit. Order samples at [www.rencousa.com](http://www.rencousa.com).

### MECHANICAL DIMENSIONS

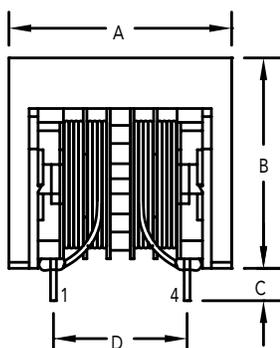
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E (MAX.)	F ±0.02 (0.50)
RL-9750-3HL	1.30 (33.00)	1.18 (30.00)	0.20 (5.00)	0.77 (19.50)	0.83 (21.00)	0.43 (11.00)

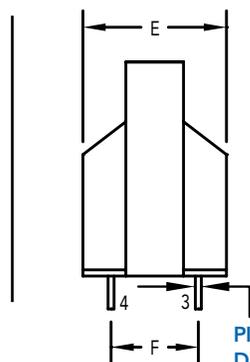
PART NUMBER	PART WEIGHT
RL-9750-3HL	32.0g (1.13oz)

G ±0.002 (0.05)	H ±0.002 (0.05)
0.77 (19.50)	0.43 (11.00)

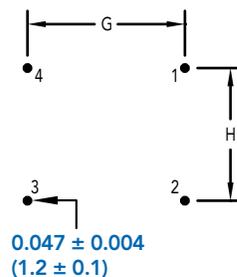
FRONT VIEW



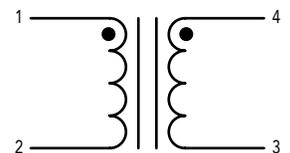
SIDE VIEW



RECOMMENDED LAND PATTERN



SCHEMATIC



**RENCO ELECTRONICS INC.**

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



# RL-9750-3HL

Renco Part No. RL-9750-3HL	Inductance (mH) Min.	DCR (Ohms) ± 20%	Irms (A) Max.
RL-9750-3HL-1.9	1.9	0.033	4.0
RL-9750-3HL-2.5	2.5	0.044	3.5
RL-9750-3HL-3.7	3.7	0.056	3.0
RL-9750-3HL-5.8	5.8	0.082	2.7
RL-9750-3HL-6.1	6.1	0.094	2.4
RL-9750-3HL-7.8	7.8	0.111	2.2
RL-9750-3HL-8.7	8.7	0.134	2.0
RL-9750-3HL-9.4	9.4	0.160	1.8
RL-9750-3HL-15.0	15.0	0.212	1.6
RL-9750-3HL-18.0	18.0	0.240	1.5
RL-9750-3HL-22.0	22.0	0.317	1.3
RL-9750-3HL-36.0	36.0	0.500	1.0
RL-9750-3HL-54.0	54.0	0.770	0.8
RL-9750-3HL-87.0	87.0	1.250	0.6

#### 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

