

RL-9750-5HMHL

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.

FEATURES & APPLICATIONS

- Low cost and low profile
- Used to reduce (EMI) entering equipment
- Wide range of selection
- Easy PCB mounting
- High self-resonant frequency
- Protects primary AC side from being affected by a switching regulator
- Dielectric withstanding voltage rated at 2500 VAC line to line

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

MECHANICAL DIMENSIONS

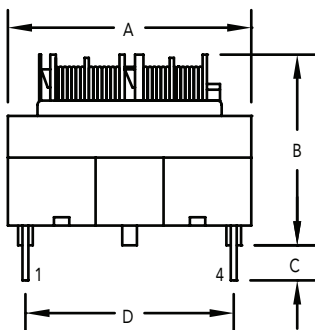
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E (MAX.)	F ±0.02 (0.50)
RL-9750-5HMHL	1.16 (29.50)	0.92 (23.50)	0.20 (5.00)	0.94 (24.00)	1.18 (30.00)	0.79 (20.00)

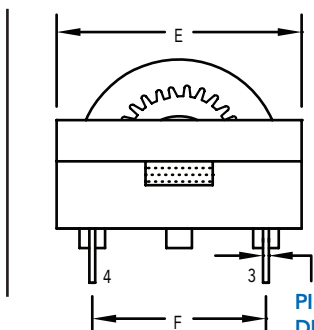
PART NUMBER	PART WEIGHT
RL-9750-5HMHL	30g (1.06oz)

G ±0.004 (0.1)	H ±0.004 (0.1)
0.95 (24.00)	0.78 (20.00)

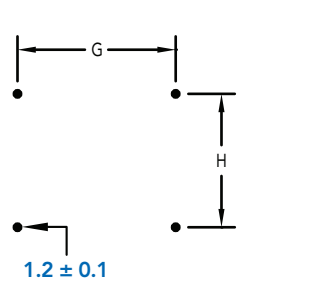
FRONT VIEW



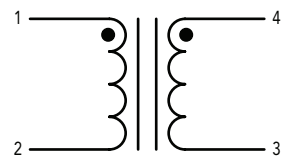
SIDE VIEW



RECOMMENDED LAND PATTERN



SCHEMATIC



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



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Renco Part No. RL-9750-5HMHL	Inductance (mH) Min.	DCR (Ohms) ± 20%	I _{rms} (A) Max.
RL-9750-5HMHL-2.2	2.2	0.058	2.8
RL-9750-5HMHL-4.7	4.7	0.087	2.5
RL-9750-5HMHL-5.6	5.6	0.111	2.2
RL-9750-5HMHL-10.0	10.0	0.214	1.6
RL-9750-5HMHL-12.0	12.0	0.226	1.6
RL-9750-5HMHL-18.0	18.0	0.331	1.2
RL-9750-5HMHL-33.0	33.0	0.707	0.8

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



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