

# RL-9750-2VM

## 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
- High self-resonant frequency
- Provides excellent noise suppression for high frequency ranges
- Dielectric withstanding voltage rated at 2500 VAC line to line
- Low cost

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

### MECHANICAL DIMENSIONS

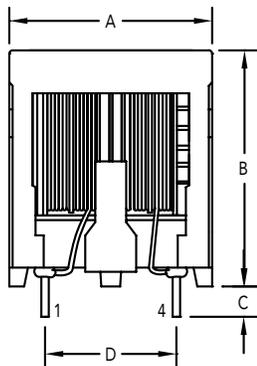
U.S. Standard (mm)

PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E ±0.02 (0.50)	F (MAX.)
RL-9750-2VM	1.02 (26.00)	1.17 (29.80)	0.20 (5.00)	0.51 (13.00)	0.39 (10.00)	0.74 (19.00)

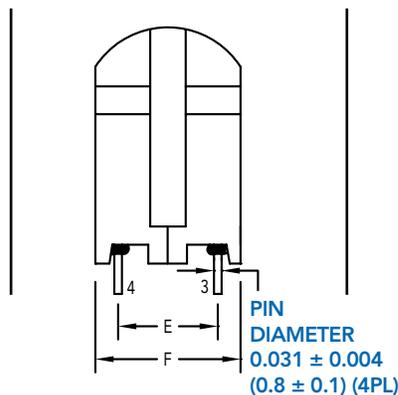
PART NUMBER	PART WEIGHT
RL-9750-2VM	20.0g (0.70oz)

G ±0.002 (0.05)	H ±0.002 (0.05)
0.51 (13.00)	0.39 (10.00)

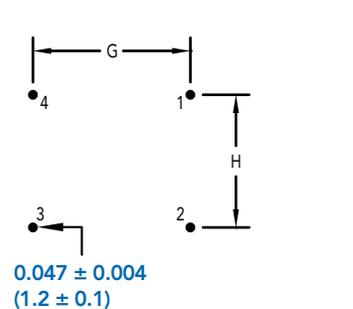
FRONT VIEW



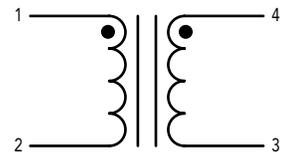
SIDE VIEW



RECOMMENDED LAND PATTERN



SCHEMATIC



**RENCO ELECTRONICS INC.**

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Renco Part No. RL-9750-2VM	Inductance (mH) Min.	DCR (Ohms) ± 20%	Irms (A) Max.
RL-9750-2VM-1.2	1.2	0.043	3.0
RL-9750-2VM-2.2	2.2	0.084	2.2
RL-9750-2VM-2.7	2.7	0.110	2.0
RL-9750-2VM-3.9	3.9	0.133	1.8
RL-9750-2VM-5.6	5.6	0.191	1.4
RL-9750-2VM-6.8	6.8	0.253	1.2
RL-9750-2VM-8.2	8.2	0.274	1.1
RL-9750-2VM-10.0	10.0	0.384	1.0
RL-9750-2VM-18.0	18.0	0.655	0.8
RL-9750-2VM-39.0	39.0	1.332	0.5
RL-9750-2VM-56.0	56.0	1.795	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

