

RL-9750-4VM

RL-9750-4VM-1, RL-9750-4VM-2, RL-9750-4VM-3 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
- Filters electrostatic noise from power and signal lines
- 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.

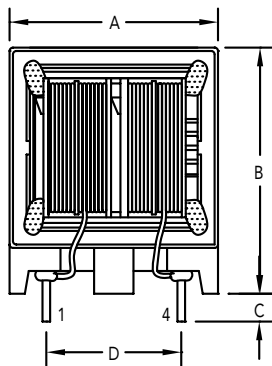
MECHANICAL DIMENSIONS

U.S. Standard (mm)

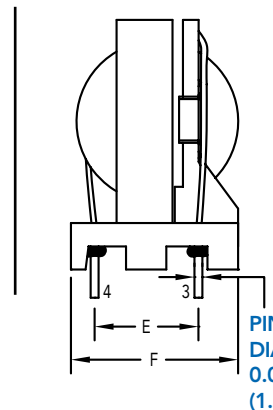
PART NUMBER	A (MAX.)	B (MAX.)	C (TYP.)	D ±0.02 (0.50)	E ±0.02 (0.50)	F (MAX.)
RL-9750-4VM-1	1.26 (32.00)	1.54 (39.00)	0.20 (5.00)	0.83 (21.00)	0.59 (15.00)	0.91 (23.00)
RL-9750-4VM-2	1.26 (32.00)	1.54 (39.00)	0.20 (5.00)	0.83 (21.00)	0.59 (15.00)	0.91 (23.00)
RL-9750-4VM-3	1.26 (32.00)	1.54 (39.00)	0.20 (5.00)	0.83 (21.00)	0.59 (15.00)	0.91 (23.00)

PART NUMBER	PART WEIGHT	G ±0.004 (0.10)	H ±0.004 (0.10)
RL-9750-4VM-1	52.0g (1.83oz)	0.83 (21.00)	0.59 (15.00)
RL-9750-4VM-2	52.0g (1.83oz)	0.83 (21.00)	0.59 (15.00)
RL-9750-4VM-3	52.0g (1.83oz)	0.83 (21.00)	0.59 (15.00)

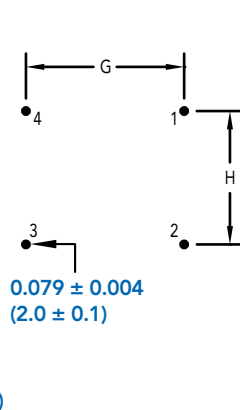
FRONT VIEW



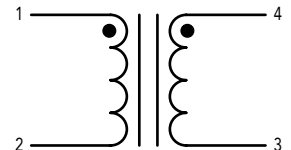
SIDE VIEW



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



RL-9750-4VM-1, RL-9750-4VM-2, RL-9750-4VM-3

Renco Part No. RL-9750-4VM-1	Inductance (mH) Min.	DCR (Ohms) ± 20%	I _{rms} (A) Max.
RL-9750-4VM-1-1.0	1.0	0.014	8.0
RL-9750-4VM-1-2.0	2.0	0.020	7.0
RL-9750-4VM-1-3.0	3.0	0.025	6.0
RL-9750-4VM-1-4.0	4.0	0.038	5.0
RL-9750-4VM-1-5.8	5.8	0.059	4.0
RL-9750-4VM-1-7.3	7.3	0.072	3.5
RL-9750-4VM-1-9.8	9.8	0.085	3.0
RL-9750-4VM-1-12.6	12.6	0.114	2.5
RL-9750-4VM-1-23.3	23.3	0.203	2.0

Renco Part No. RL-9750-4VM-2	Inductance (mH) Min.	DCR (Ohms) ± 20%	I _{rms} (A) Max.
RL-9750-4VM-2-2.2	2.2	0.022	7.0
RL-9750-4VM-2-3.2	3.2	0.027	6.0
RL-9750-4VM-2-4.5	4.5	0.037	5.0
RL-9750-4VM-2-6.9	6.9	0.057	4.0
RL-9750-4VM-2-9.3	9.3	0.075	3.5
RL-9750-4VM-2-13.1	13.0	0.102	3.0
RL-9750-4VM-2-18.0	18.0	0.138	2.5
RL-9750-4VM-2-27.0	27.0	0.194	2.0

Renco Part No. RL-9750-4VM-3	Inductance (mH) Min.	DCR (Ohms) ± 20%	I _{rms} (A) Max.
RL-9750-4VM-3-4.5	4.5	0.054	4.0
RL-9750-4VM-3-5.8	5.8	0.069	3.5
RL-9750-4VM-3-8.0	8.0	0.091	3.0
RL-9750-4VM-3-9.8	9.8	0.115	2.5
RL-9750-4VM-3-16.0	16.0	0.170	2.0

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}

