



RPM7000 Series

MIL/COTS AC, 1PH EMI Power Line Filter

RPM7000
MILITARY/ COTS TO 50A
47-400HZ
MIL-STD-461/ DO-160



SPECIFICATIONS

Operating Freq.	: 47-400Hz
Max. Operating Voltage	: 300VAC
Ambient Temperature	: -40 to 70C
Hipot Rating (L-G)	: 1800VDC
Terminals (-T)	: S: 5/10/20/30A (M5) 50A (M6)
Typical Leakage Current	: 3.5mA/Line (250V/60Hz)
Applications	: Mil-461/ DO-160

Note:

* Call for other termination types (e.g. Circular Mil-Connectors, etc.)

*Leakage Current is determined by the line to ground capacitors in the filter. The capacitors can be easily varied to match the system leakage requirements.

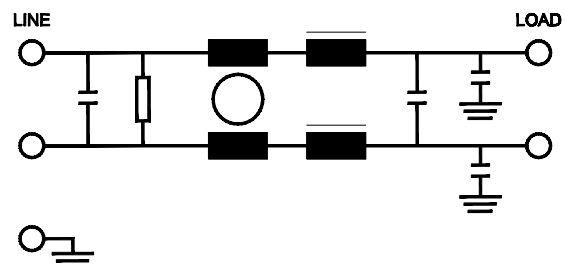
TYPICAL INSERTION LOSS, dB (50/50ohm)

FREQ (MHz)	.01	.15	.5	1	10	30
CM(dB)	16	32	50	50	45	30
DM(dB)	22	42	60	60	40	30

PART NUMBER/ ORDERING

RPM7000	-X (Amps)	-T	Weight LBS (KG) Typ.
	5	S	0.4 (0.2)
	10		0.4 (0.2)
	20		2.7 (1.2)
	30		2.7 (1.2)
	50		3.7 (1.7)

SCHEMATIC



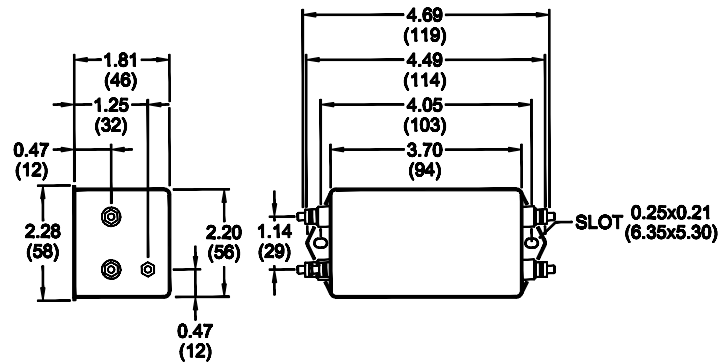
www.radiuspower.com

Reference purposes only.
Specifications are subject to change.
Consult factory to verify specifications.

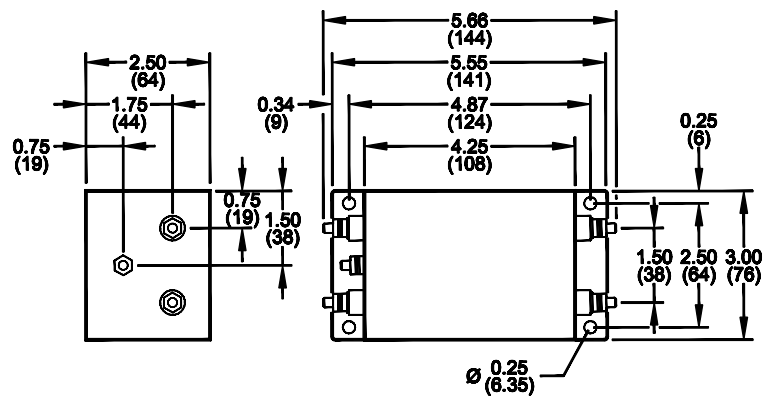
RPM7000

Mechanical Dimensions

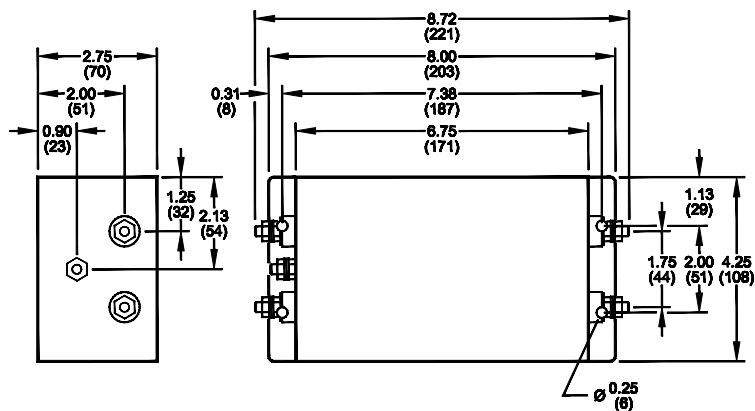
5/10Amp



20/30Amp



50Amp



TYPICAL TOLERANCE: ± 0.02 (0.50)