

Single Phase EMI Filter – MF160 IEC Inlet with Fuse & Switch (Medical Version)

Description

These series range of IEC Inlet type filters with fuse and Switch are designed to suppress undesirable electrical disturbances in Power Lines. They limit the amplitude of interfering voltages on AC power lines and prevent them from propagating into or out of the filtered equipment.

Features

- Integral IEC Connector
- High Conducted attenuation performance
- Single/Double Fuse Option
- Rated currents up to 10 A
- Double Pole/Single Throw Switch
- Ultra-low leakage current



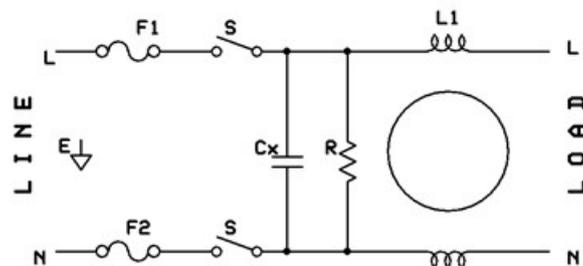
Approval & Compliance



Applications

- Medical Equipment
- Diagnostic Equipment
- X-Ray Machines
- Low Leakage Applications

Typical circuit Diagram



Technical Specifications

Maximum Continuous Operating Voltage	: 250VAC
Operating Frequency	: 50/60Hz
Current ratings	: 1A to 10A @40°C
High Potential test voltage	: L to G 2250VDC for 1 Minute L to L 1450VDC for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL1283, CSA 22.2 No.8-13 and IEC 60939
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure Material	: CRCA

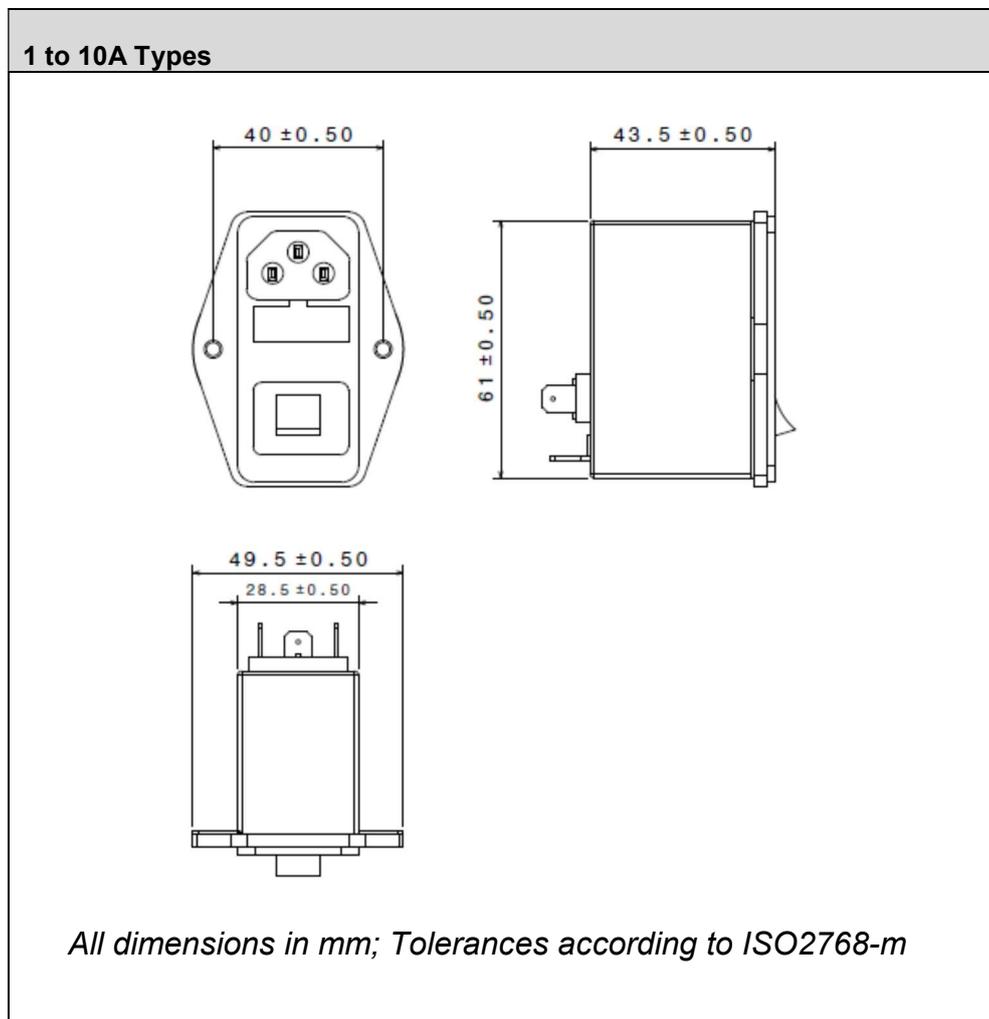
Images shown above are just for reference

Selection Table

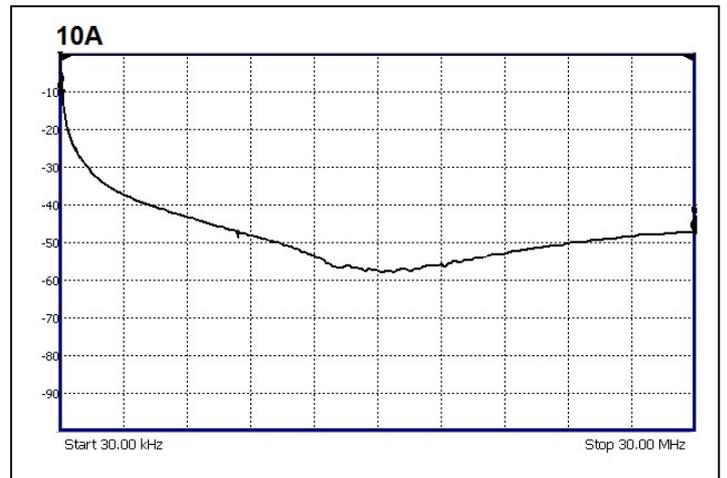
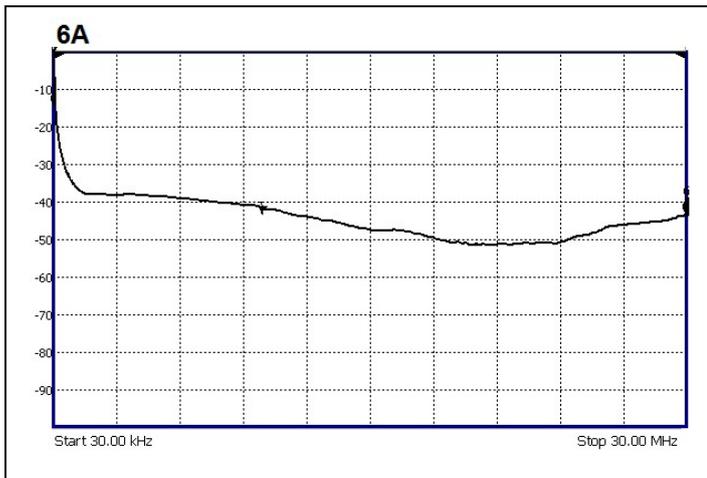
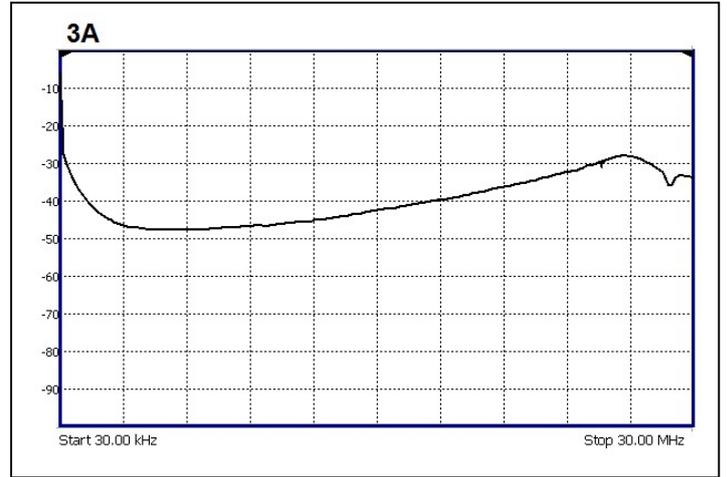
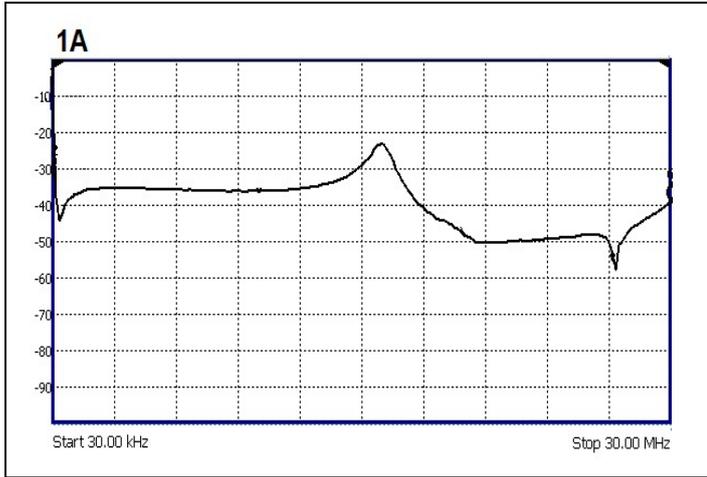
Part Number	Ordering Code	Rated Current @40°C	Leakage Current @250VAC (mA)	Termination	Weight (Grams)
MF160 - 01	S160000001D	1A	0.34	Fastons 6.3 X 0.8mm	120
MF160 - 03	S160000003D	3A	0.34	Fastons 6.3 X 0.8mm	120
MF160 - 06	S160000006D	6A	0.34	Fastons 6.3 X 0.8mm	120
MF160 - 10	S160000010D	10A	0.34	Fastons 6.3 X 0.8mm	120

Note: Customized filters are provided on request.

Mechanical Drawing



Insertion Loss – (Common Mode)



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