

## Single Phase EMI Filter – MF320 IEC Inlet with Fuse & Switch Type

### 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
- Medical versions available

### Applications

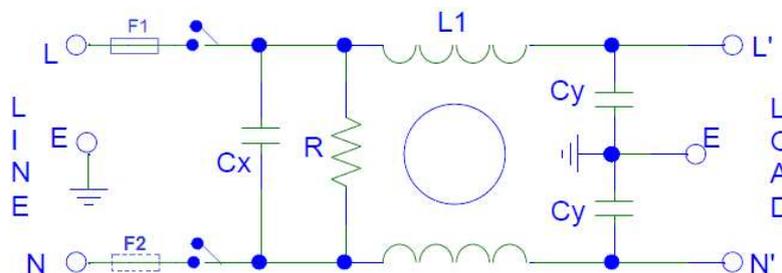
- Medical Application
- Electrical & Electronic Equipment's
- Testing & Measurement Equipments
- Household equipment
- Rack mounting equipment



### Approvals & Compliance



### 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

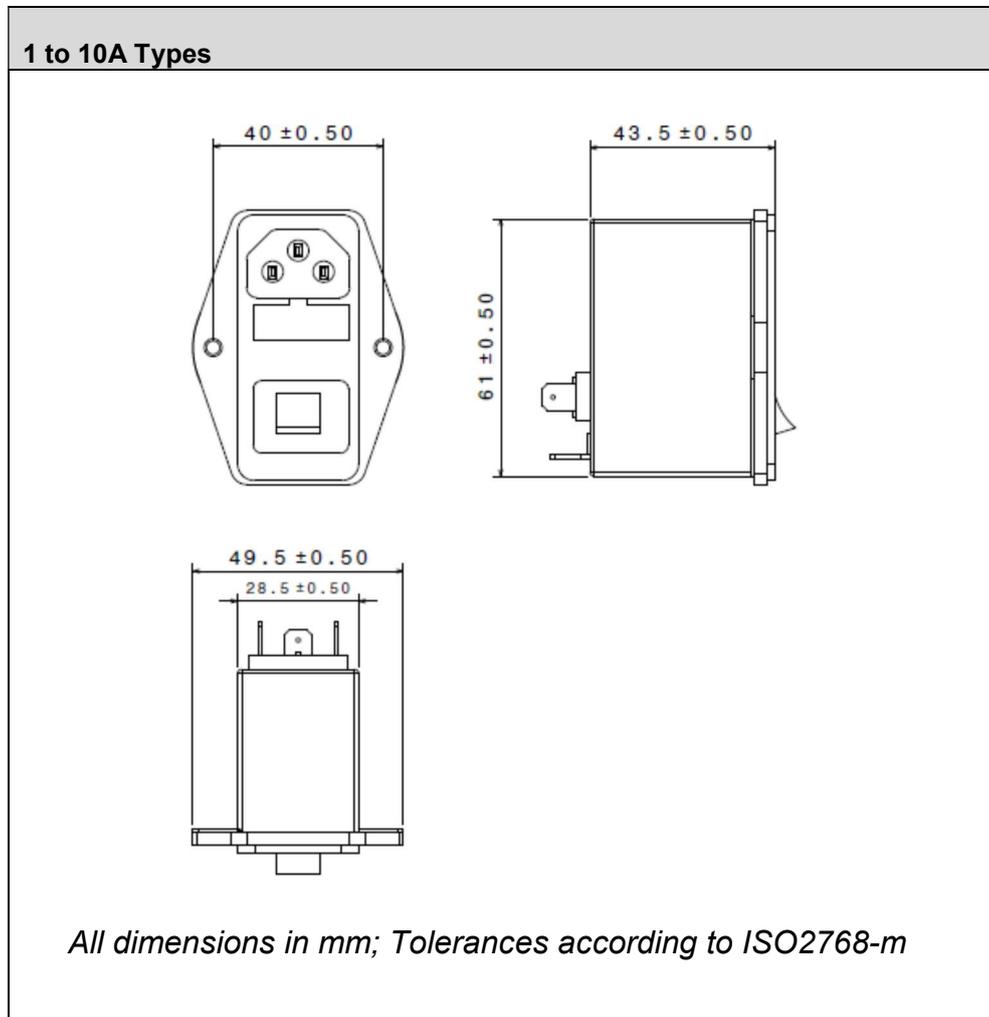
*Images shown above are just for reference*

## Selection Table

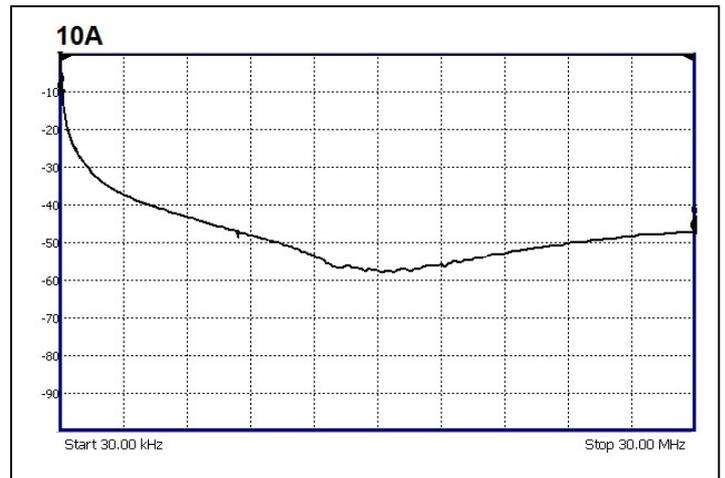
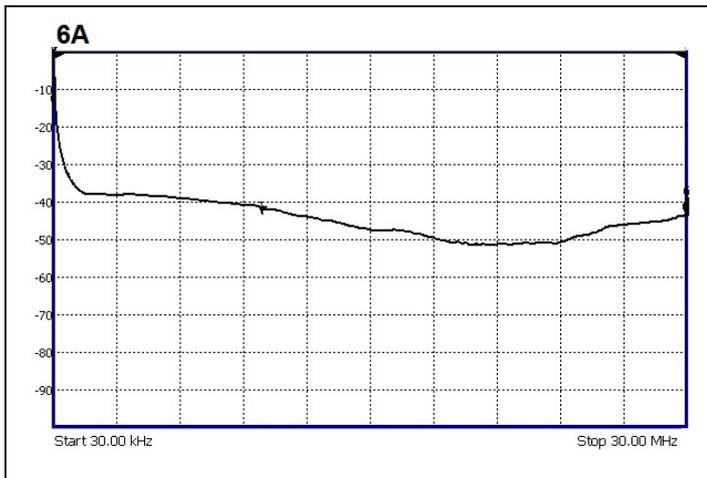
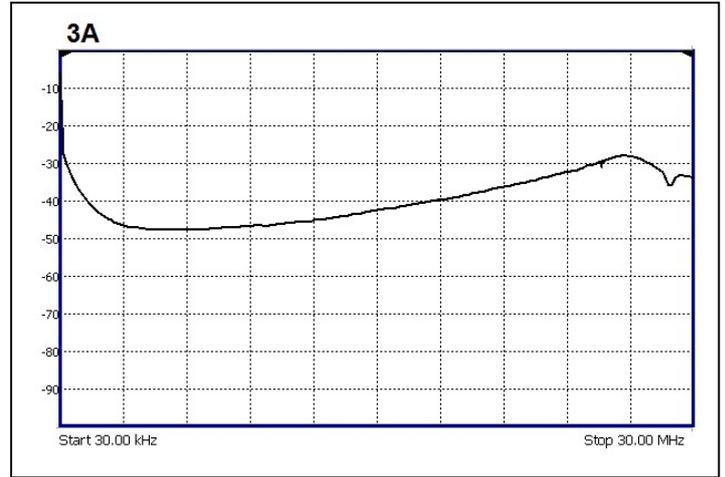
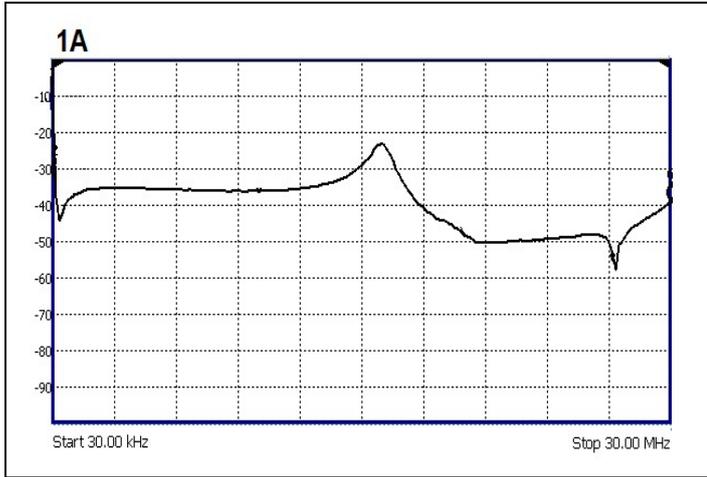
Part Number	Ordering Code	Rated Current @40°C	Leakage Current @250VAC (mA)	Termination	Weight (Grams)
MF320 - 01	S320000001D	1A	0.34	Fastons 6.3 X 0.8mm	120
MF320 - 03	S320000003D	3A	0.34	Fastons 6.3 X 0.8mm	120
MF320 - 06	S320000006D	6A	0.34	Fastons 6.3 X 0.8mm	120
MF320 - 10	S320000010D	10A	0.34	Fastons 6.3 X 0.8mm	120

**Note:** Customized filters are provided on request.

## Mechanical Drawing



# Insertion Loss – (Common Mode)



**EMI Solutions Private Ltd.**

#237-A5, Bommasandra Industrial Area, Bangalore-560099,  
Marketing: +91 80 27836880, Email: [marketing@emisindia.com](mailto:marketing@emisindia.com)