


DATASHEET

SINGLE PHASE EMI FILTER – MF310S IEC INLET WITH SWITCH

Description

These series range of IEC Inlet type filters with 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.

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/Finish	Aluminium

Approval & Compliance

Features

- Integral IEC Connector
- Excellent performance/size ratio
- Rated current up to 10A
- Medical versions available
- High conducted attenuation performance

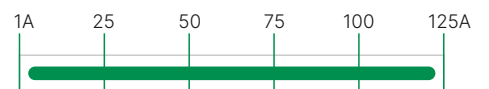
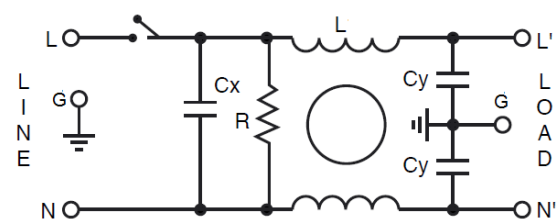
Applications

- Electrical & Electronic Equipment's
- Testing & Measurement Equipments

Performance Indicator

Standard	High	Very High
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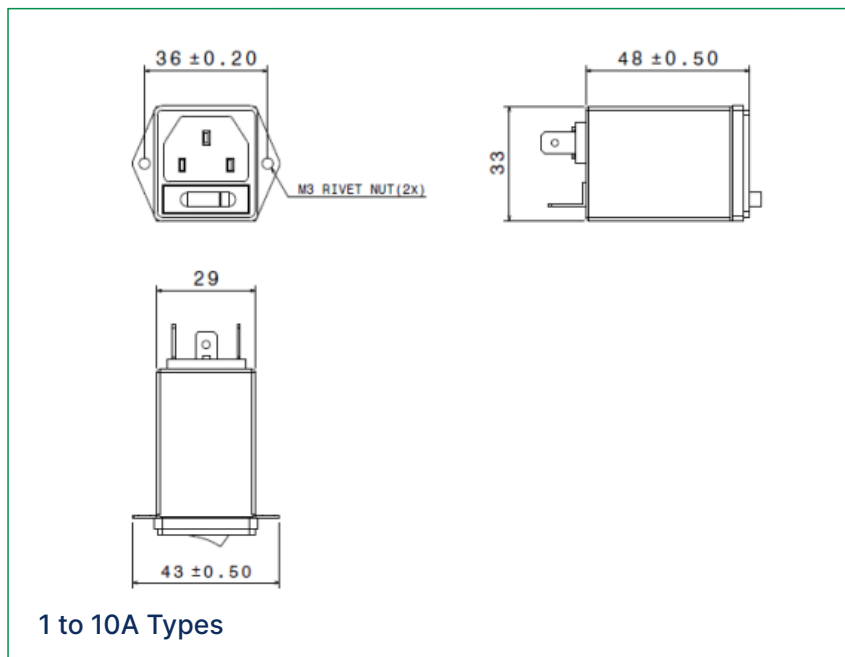
Rated current [A]


Typical circuit Diagram


Ordering Code Information

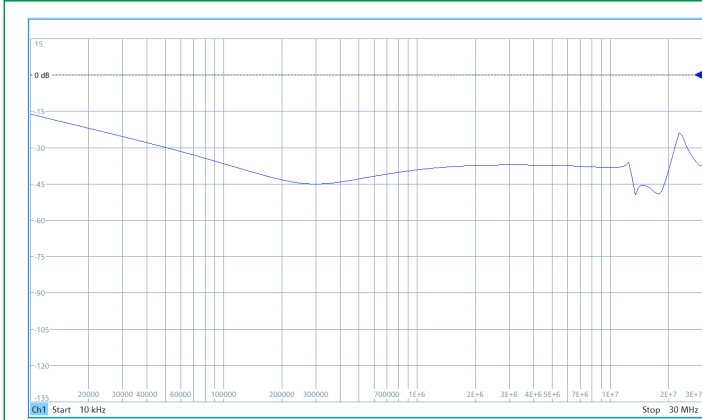
Part Number	Ordering Code	Rated Current @40°C	Leakage Current @250VAC (mA)	Termination	Weight (Grams)
MF310S	E101728-2	1A	0.34	Fastons 6.3 X 0.8mm	0.06
MF310S	E101728-3	3A	0.34	Fastons 6.3 X 0.8mm	0.06
MF310S	E101728-4	6A	0.34	Fastons 6.3 X 0.8mm	0.06
MF310S	E101728-5	10A	0.34	Fastons 6.3 X 0.8mm	0.06

Mechanical Drawing

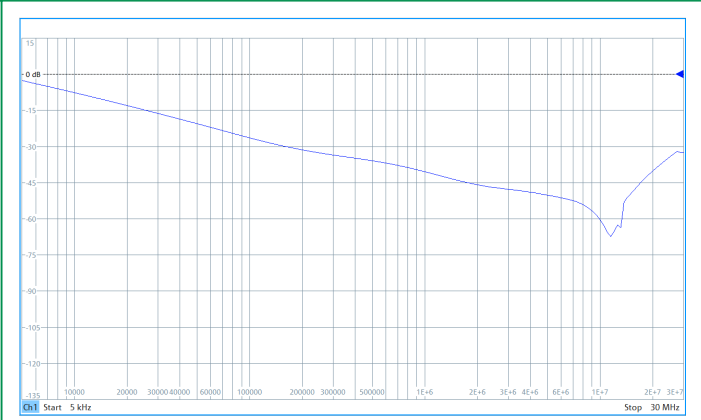


Note: All dimensions in mm; Tolerances according to ISO2768-m

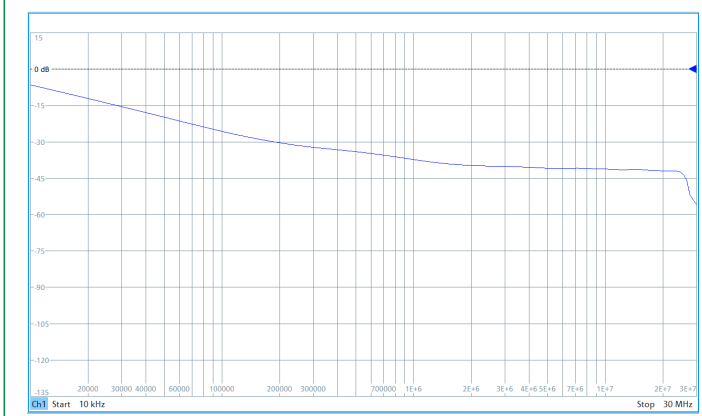
Insertion Loss – (Common Mode)



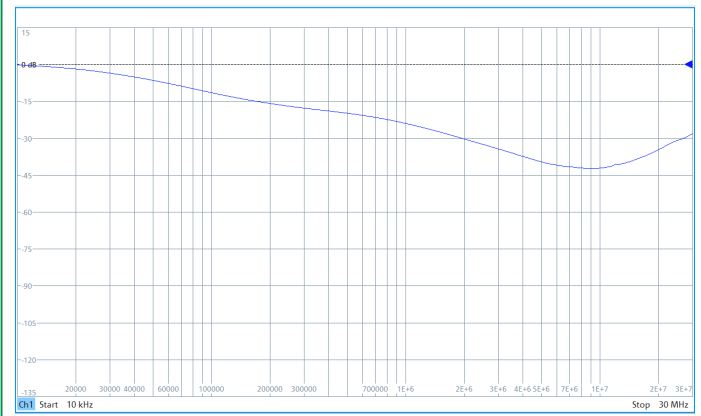
1A



3A

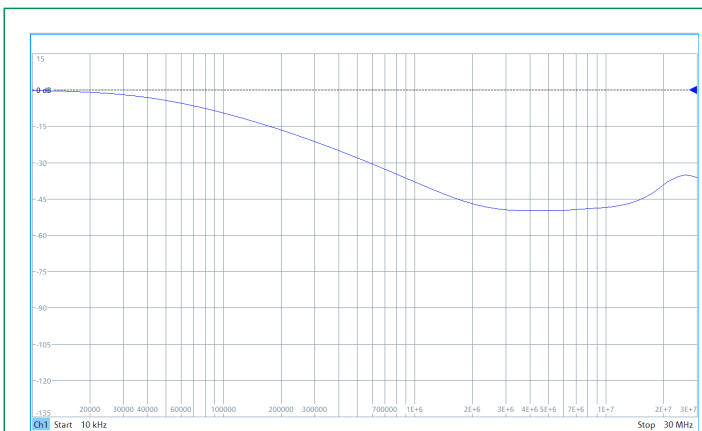


6A

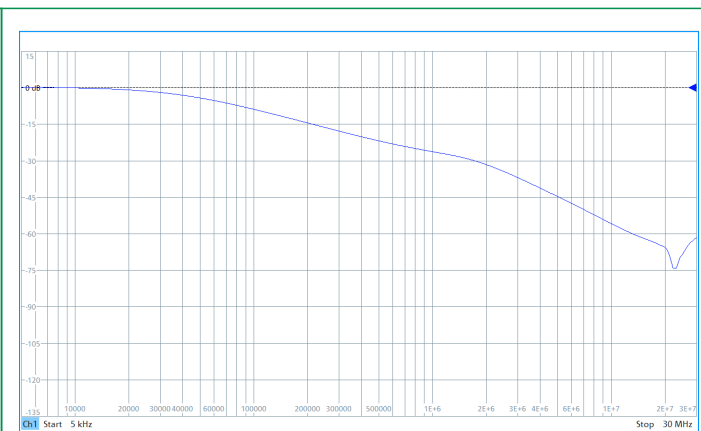


10A

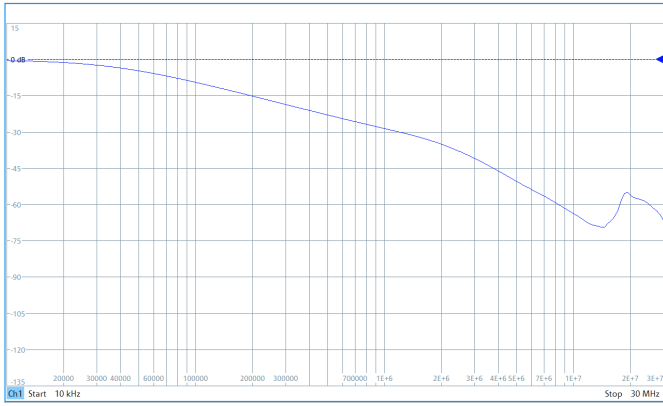
Insertion Loss – (Differential Mode)



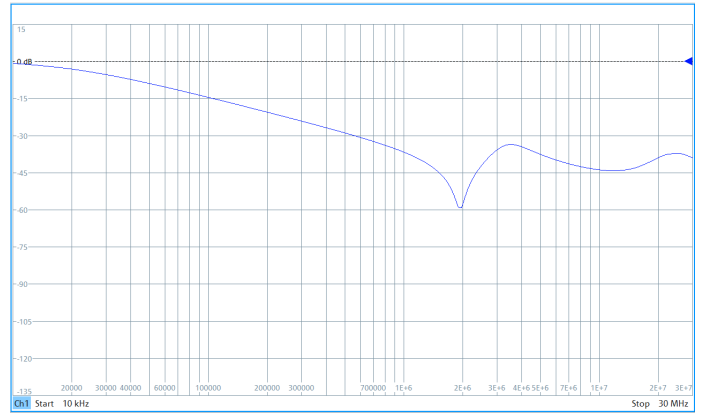
1A



3A



6A



10A