



DATASHEET

TWO PHASE EMI FILTER - MF422

Description

These series range of two phase filters are designed to suppress undesirable electrical disturbances in phase to phase configuration.

Features:

- Rated Current up to 100A
- Medical Version available
- High Conducted attenuation performance
- Chassis mounting

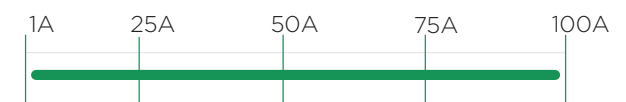
Applications:

- Power Systems
- Electronic Equipment
- Frequency convertors
- Stepper motor drives
- UPS/Inverters

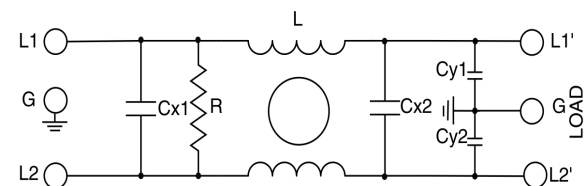
Performance Indicator

Standard	High	Very High
█		

Rated current [A]




Typical circuit Diagram



Technical Specifications:

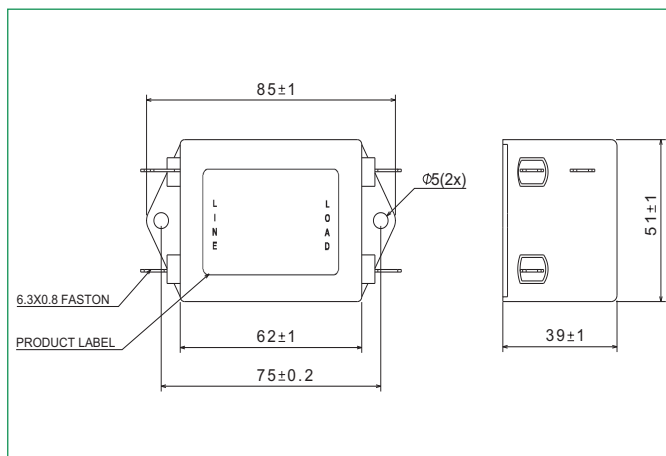
Maximum Continuous Operating Voltage	: 440VAC
Operating Frequency	: 50/60Hz
Current ratings	: 1A to 100A@40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: CSA 22.2 No.8-13 and UL 60939-3
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Enclosure Material/Finish	: CRCA/Nickel Plated - 1A to 40A Aluminium - 50A to 100A

Ordering Information

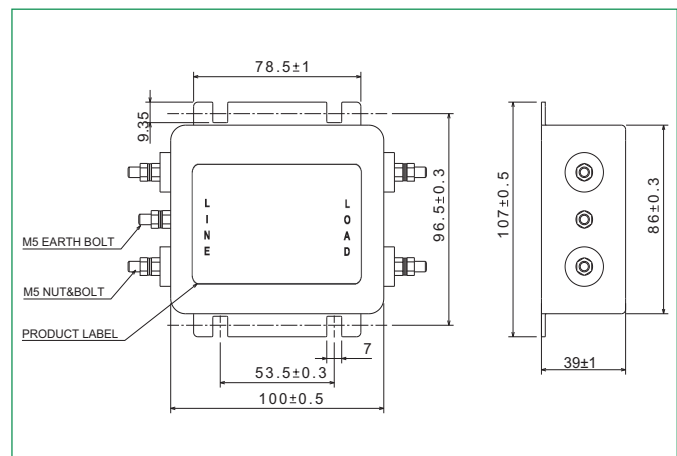
Model Number	Part Number	Rated Current @40°C	Leakage current @250VAC/50Hz (mA)	Termination		Weight (Kg)
						
MF 422	E100639-1	1A	0.74	6.3 x 0.8		0.26
MF 422	E100639-2	2A	0.74	6.3 x 0.8		0.26
MF 422	E100639-3	3A	0.74	6.3 x 0.8		0.26
MF 422	E100639-4	6A	0.74	6.3 x 0.8		0.26
MF 422	E100639-5	8A	0.74	6.3 x 0.8		0.26
MF 422	E100639-6	10A	0.74	6.3 x 0.8		0.26
MF 422	E100639-7	15A	0.74	6.3 x 0.8		0.26
MF 422	E100639-8	20A	0.74		M5	0.5
MF 422	E100639-9	25A	0.8		M5	0.5
MF 422	E100639-10	30A	0.8		M5	0.5
MF 422	E100639-11	40A	0.8		M5	0.5
MF 422	E100639-12	50A	0.8		M6	1
MF 422	E100639-13	60A	0.8		M6	1
MF 422	E100639-14	75A	0.8		M8	3
MF 422	E100639-15	80A	0.8		M8	3
MF 422	E100639-16	100A	0.8		M10	3

Mechanical Drawing:

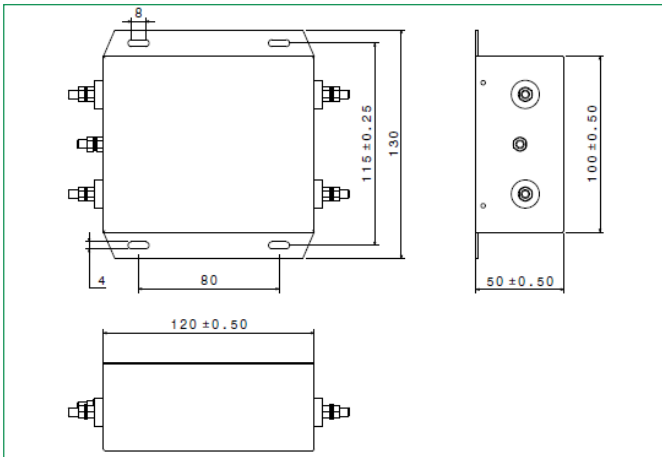
1A-15A



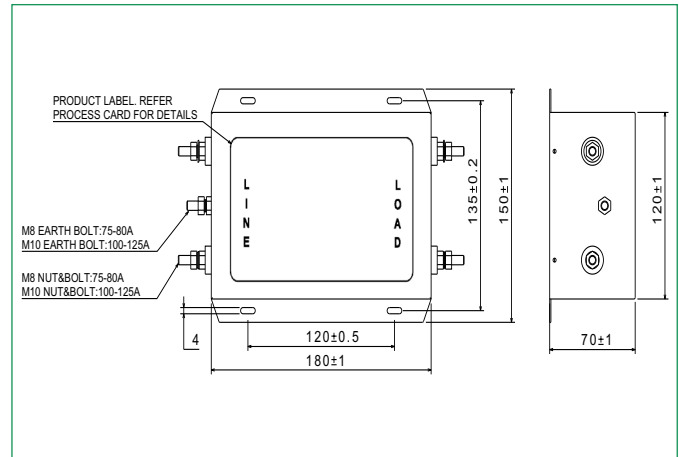
20A-40A



50A-60A



75A-100A



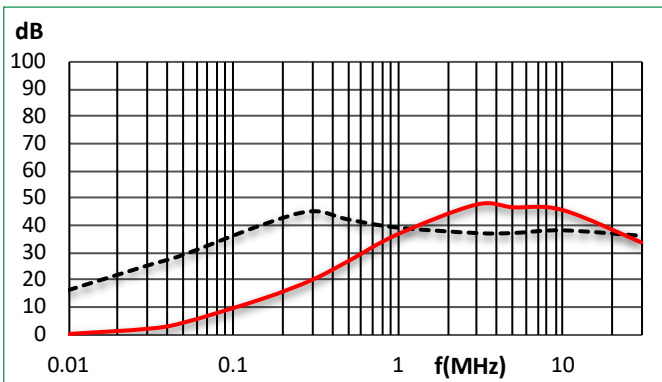
Connectors Cross Sections

Thread Size	M5	M6	M8	M10
Recommended Torque (Nm)	2	2.5-3	3.5-6	4-10

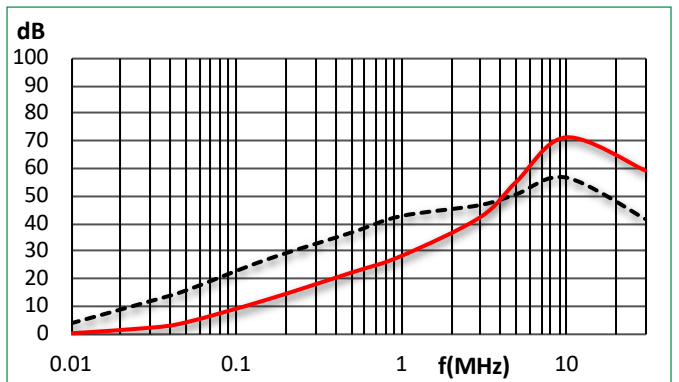
All dimensions in mm; Tolerances according to ISO2768-C

Insertion Loss : Common mode _____ Differential Mode
Per CISPR 17; DM=50/50 sym; CM=50/50 asym

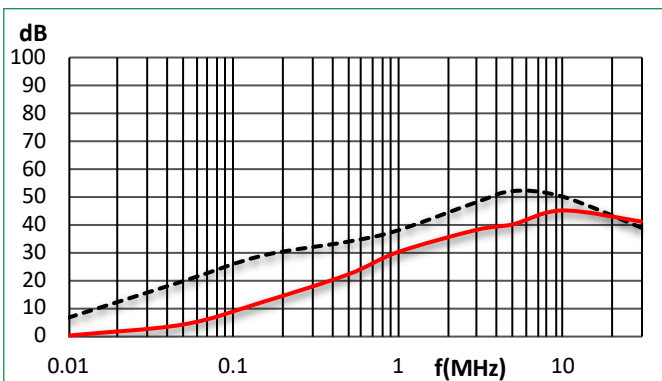
1A



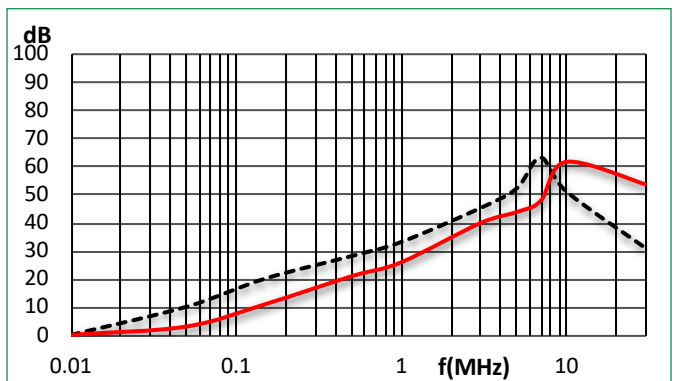
2A



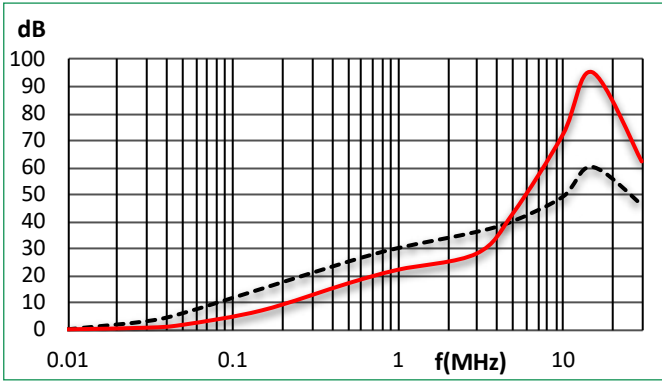
3A



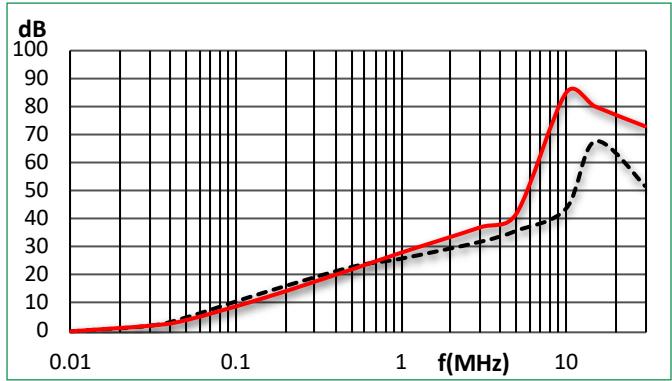
6A



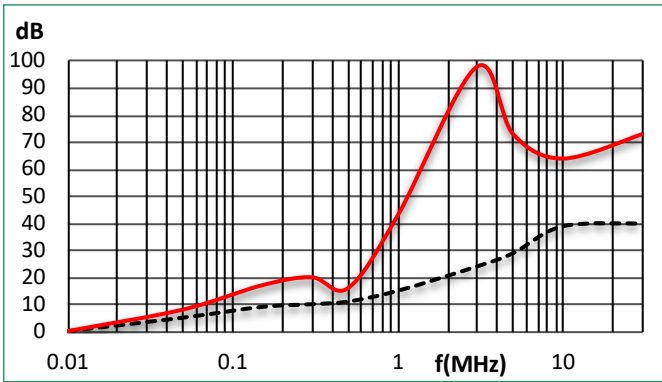
10A



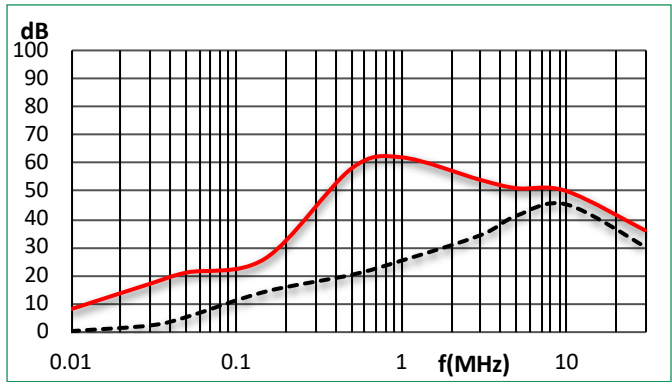
15A



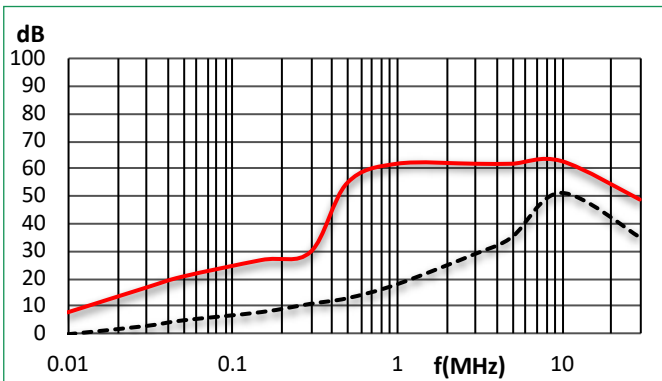
20A



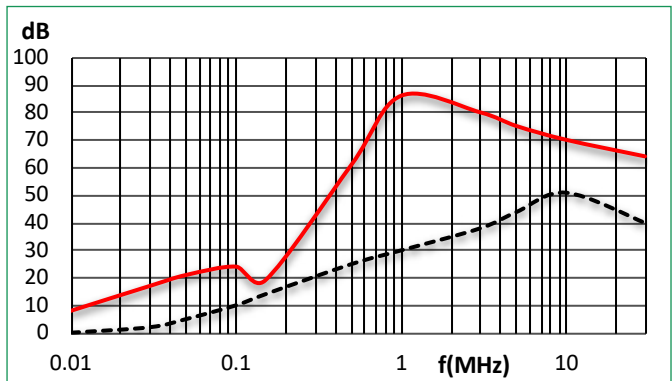
25A



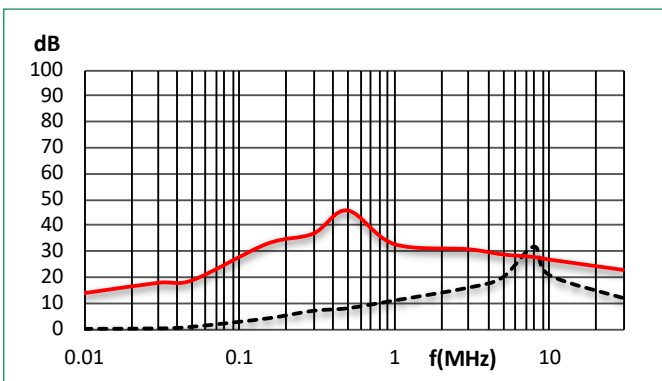
30A



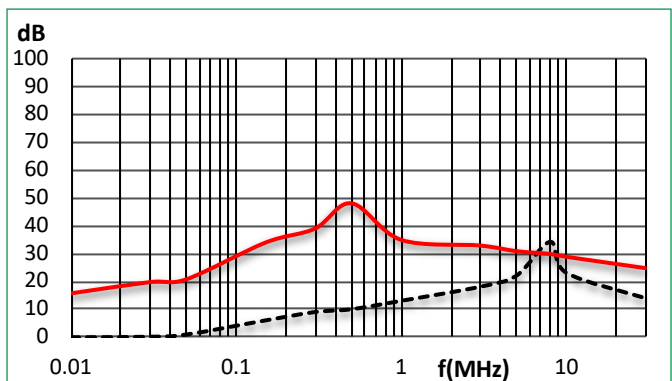
40A



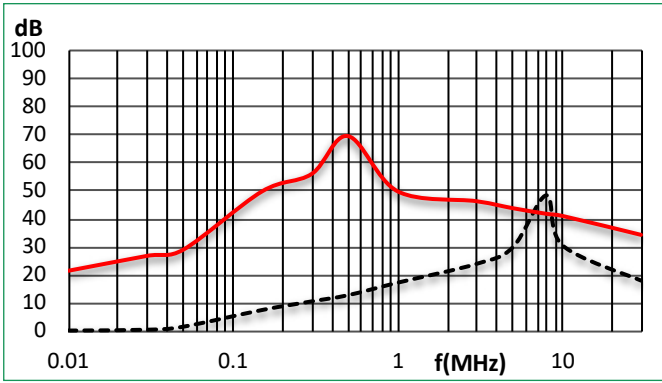
50A



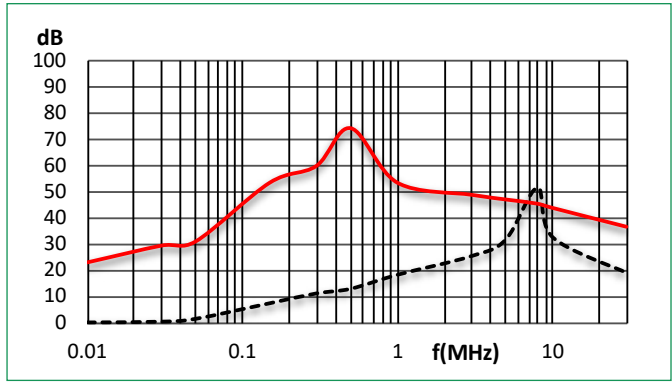
60A



75A



80A



100A

