


Features:

- Rated Current up to 40A
- General purpose filtering performance
- Designed for easy and fast chassis mounting

Applications:

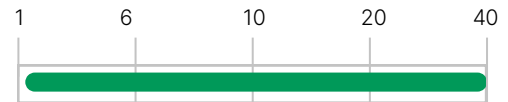
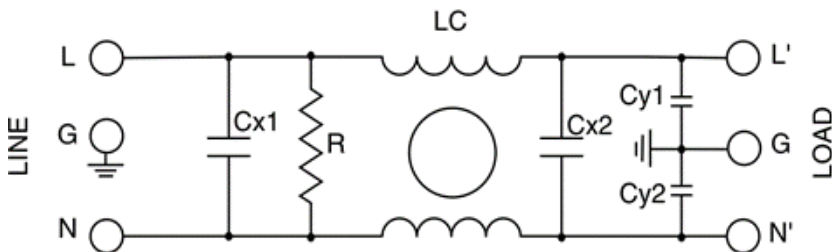
- Power Systems
- Electronic equipments
- Frequency convertors
- Stepper motor drives
- UPS/Inverters

DATASHEET
SINGLE PHASE EMI FILTER - MF420-VF

These series range of High Performance filters are designed to suppress undesirable electrical disturbances in variable frequency drives applications.

Performance Indicator:

Standard	High	Very High

Rated Current (A):

Type Circuit Diagram:


Technical Specifications:

Maximum Continuous Operating Voltage	: 250 VAC, 50/60Hz (UL Approval) 250VDC
Operating Frequency	: DC to 400Hz
Current ratings	: 1A to 40A @40°C
High Potential test voltage	: L to G 2250 VDC for 2 sec. L to L 1450 VDC for 2 sec.
Overload Capability	: 135% of rated current for 15 minutes
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC 60939-1&2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

Ordering Information

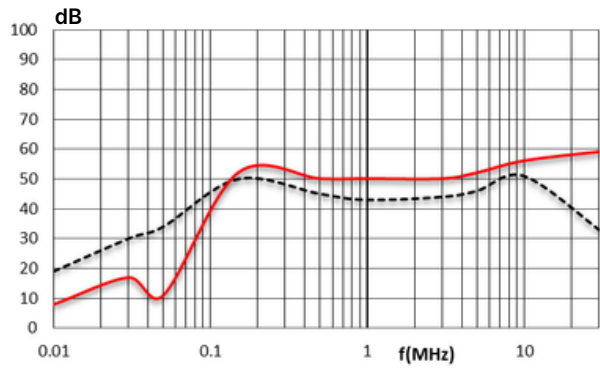
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Termination		Min.Weight (g)
						
MF420-VF	E100136-1	1	7.4	6.3 x 0.8		200
MF420-VF	E100136-3	3	7.4	6.3 x 0.8		200
MF420-VF	E100136-2	6	7.4	6.3 x 0.8		200
MF420-VF	E100299-1	10	7.4	6.3 x 0.8		200
MF420-VF	E100987-1	15	7.4		M5	650
MF420-VF	E100593-1	20	7.4		M5	650
MF420-VF	E102481-1	40	7.4		M5	1000

Insertion Loss :

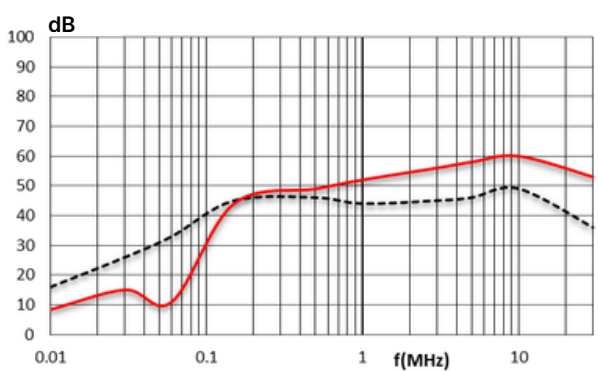
..... Common mode Differential Mode

Per CISPR 17; DM=50/50 sym; CM=50/50 asym

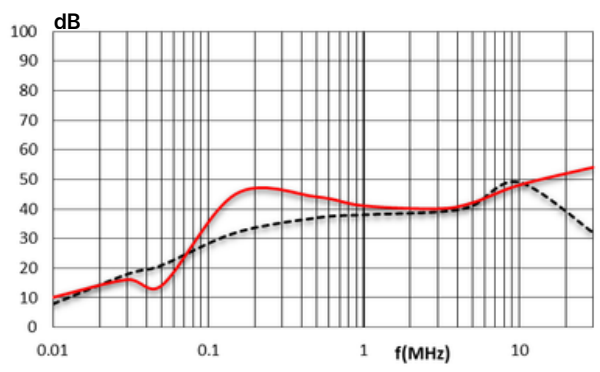
1A to 3A



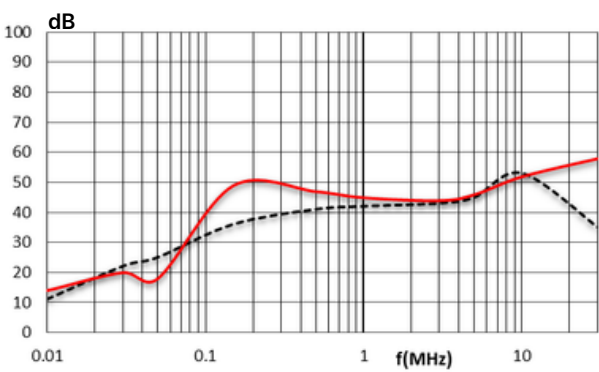
6A



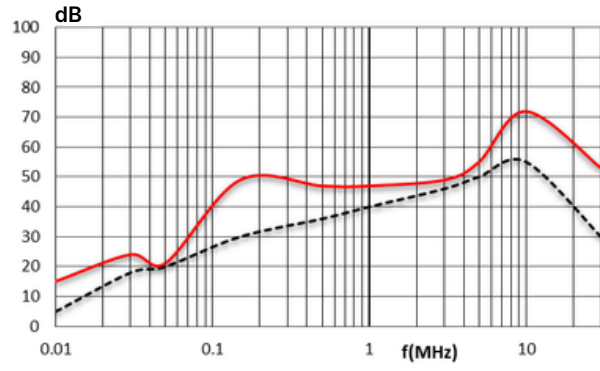
10A



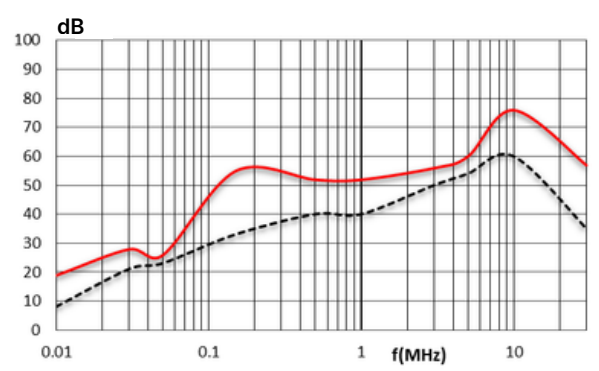
15A



20A

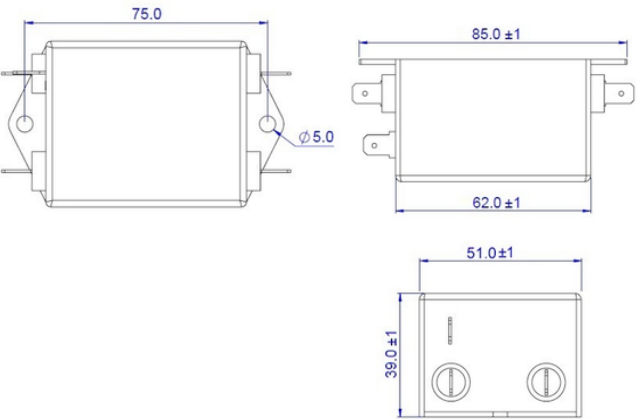


40A

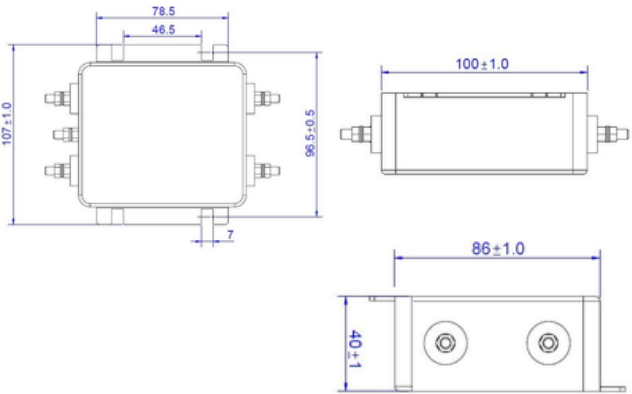


Mechanical Drawing:

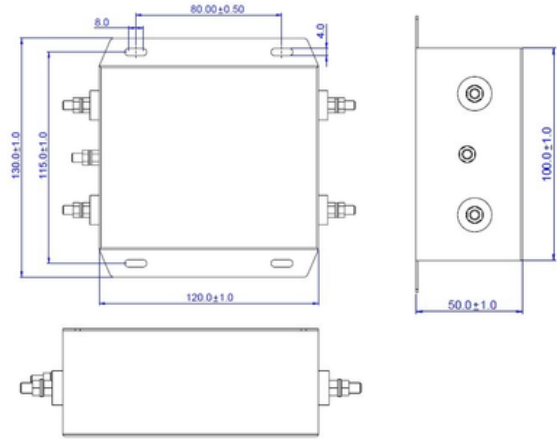
1A to 10A



15A to 20A



40A



Thread	M5
Recommended torque (Nm)	2-2.2

Note: All dimensions in mm; Tolerances according to ISO 2768-C