

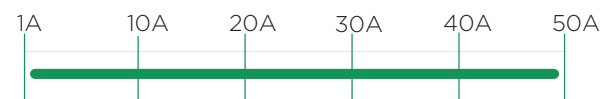
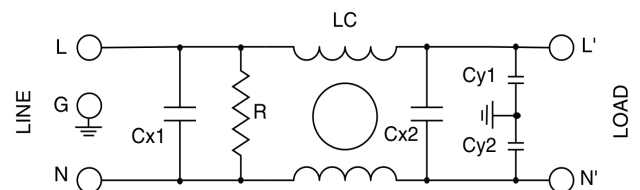
Features:

- Rated Current up to 50A
- High Conducted attenuation performance
- Chassis mounting


Applications:

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

Performance Indicator


Rated current [A]

Typical circuit Diagram

DATA SHEET
**SINGLE PHASE EMI FILTER - MF 420-HP
HIGH PERFORMANCE TYPE**
Description

These series range of High Performance filters 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, 50/60Hz(UL Approval) 250VDC
Operating Frequency	: DC to 400Hz
Current ratings	: 1A to 50A @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	: UL 60939-3, CSA 22.2 No.8-13
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

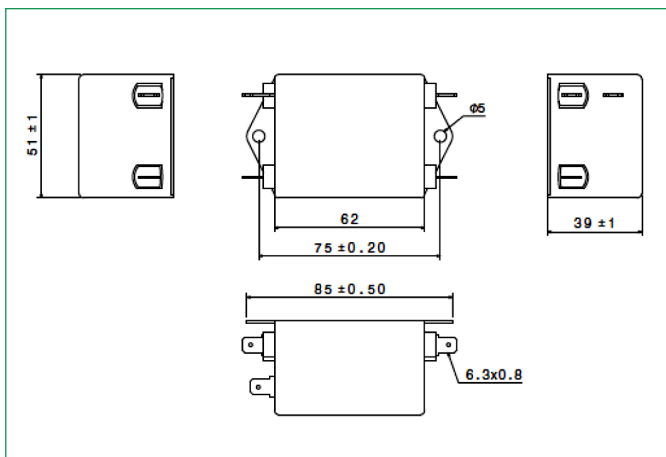
Ordering Information

Model Number	Part Number	Rated Current @40°C	Leakage Current (mA) @250VAC/50Hz	Termination		Weight (Grams)
						
MF 420-HP	E100843-2	1A	0.74	6.3x0.8		250
MF 420-HP	E100843-3	2A	0.74	6.3x0.8		250
MF 420-HP	E100843-4	3A	0.74	6.3x0.8		250
MF 420-HP	E100843-5	5A	0.74	6.3x0.8		250
MF 420-HP	E100843-6	6A	0.74	6.3x0.8		250
MF 420-HP	E100843-7	10A	0.74	6.3x0.8		250
MF 420-HP	E100843-8	12A	0.74		M5	650
MF 420-HP	E100843-9	15A	0.74		M5	650
MF 420-HP	E100843-10	16A	0.74		M5	650
MF 420-HP	E100843-11	18A	0.74		M5	650
MF 420-HP	E100843-12	20A	0.74		M5	650
MF 420-HP	E100843-13	25A	0.74		M5	650
MF 420-HP	E100843-14	30A	0.74		M5	1000
MF 420-HP	E100843-15	32A	0.74		M5	1000
MF 420-HP	E100843-16	35A	0.74		M5	1000
MF 420-HP	E100843-17	40A	0.74		M5	1000
MF 420-HP	E100843-18	42A	0.74		M6	2000
MF 420-HP	E100843-19	45A	0.74		M6	2000
MF 420-HP	E100843-20	47A	0.74		M6	2000
MF 420-HP	E100843-21	50A	0.74		M6	2000

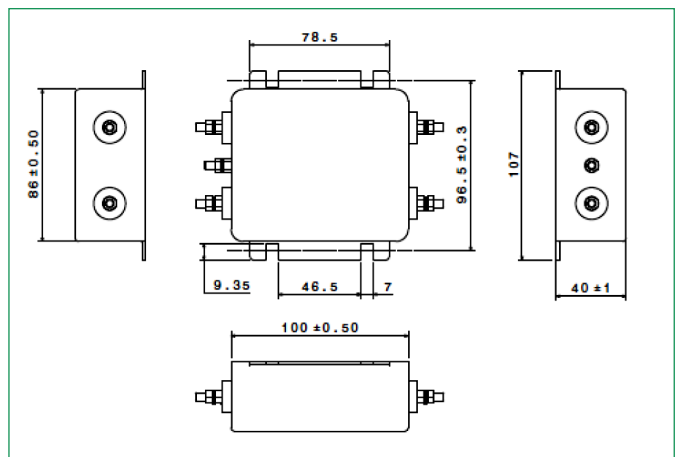
Note: Customized filters are provided on request.

Mechanical Drawing:

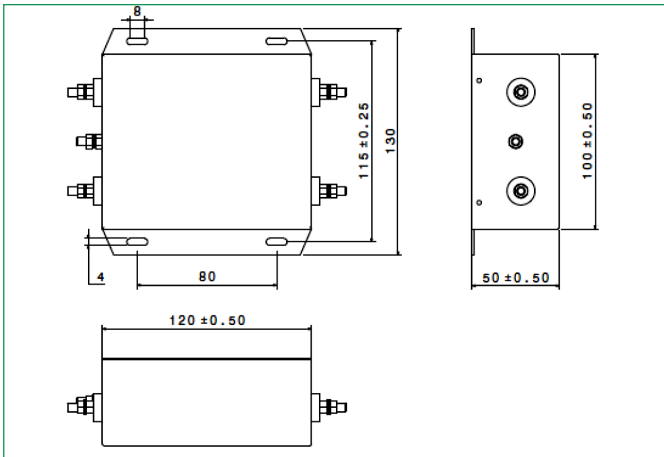
1A-10A



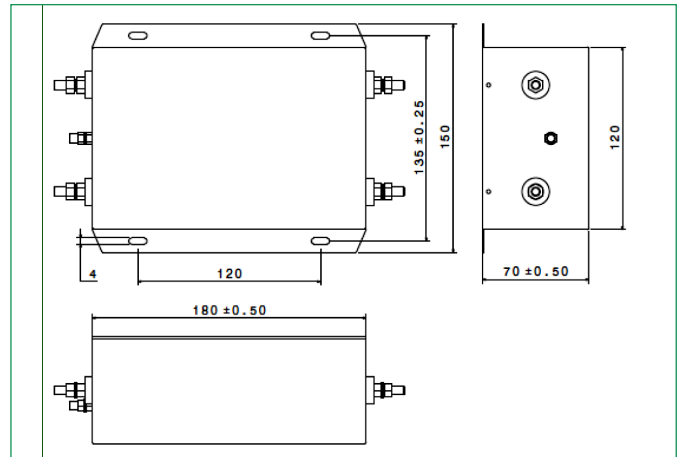
12A-25A



30A-40A



42A-50A



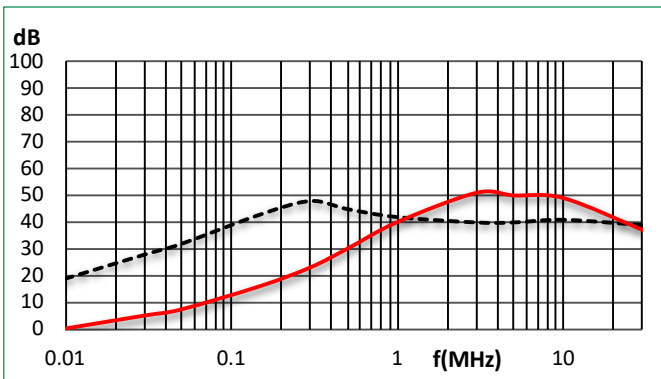
Thread	M5	M6
Recommended Torque (Nm)	2.0-2.2	3.5-4.0
Earth terminal (Nm)	2.0-2.2	3.5-4.0

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

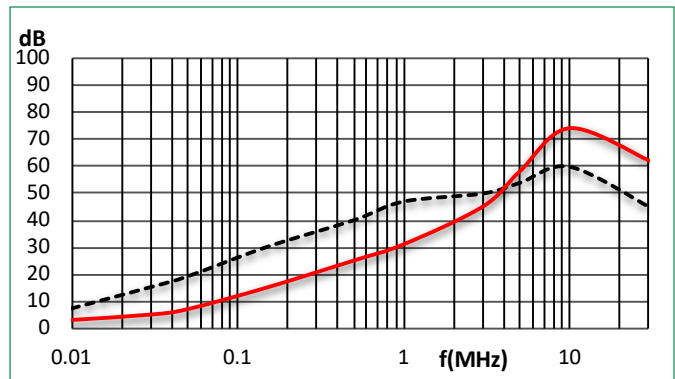
Insertion Loss : Common mode _____ Differential Mode

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

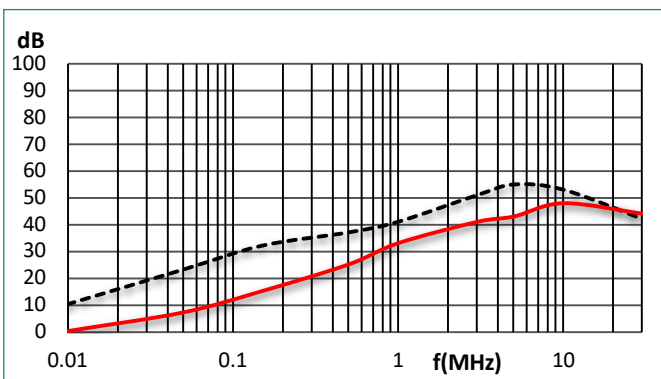
1A



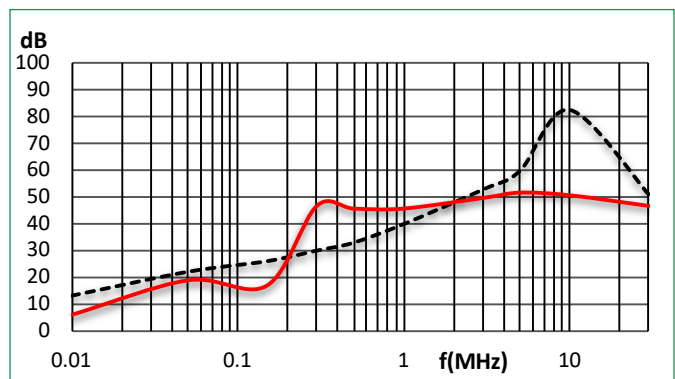
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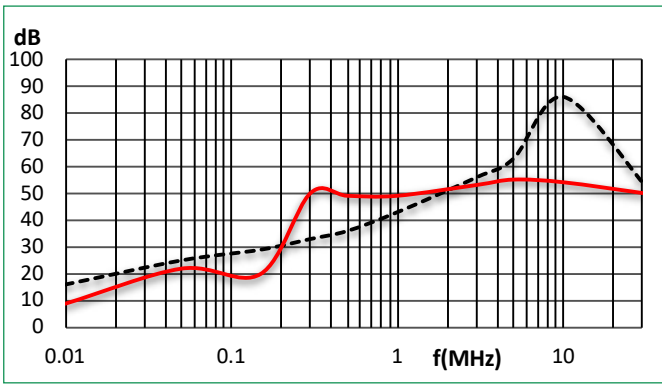
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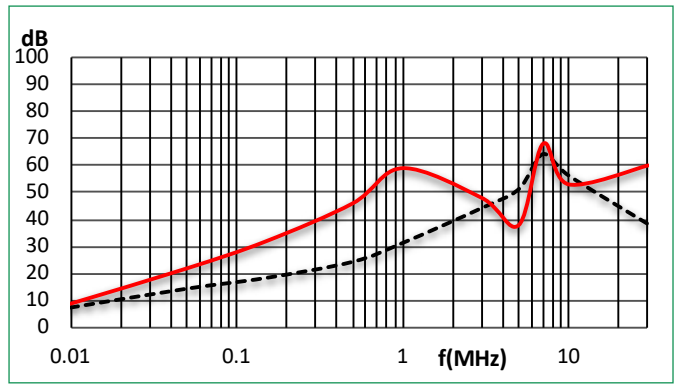
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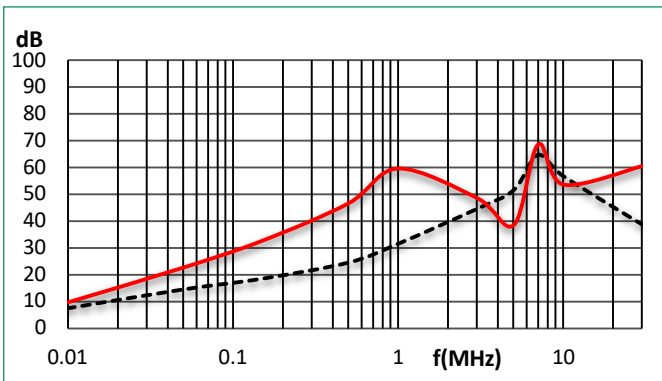
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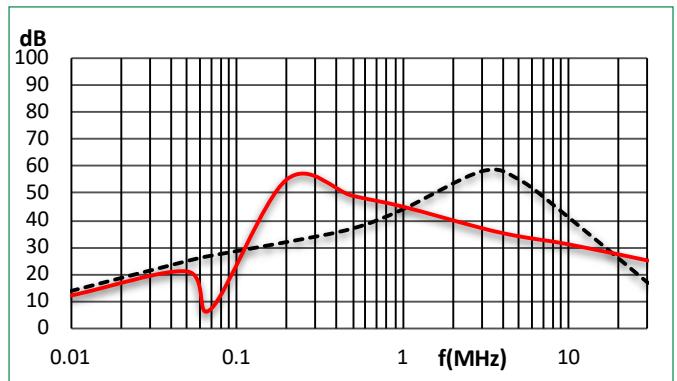
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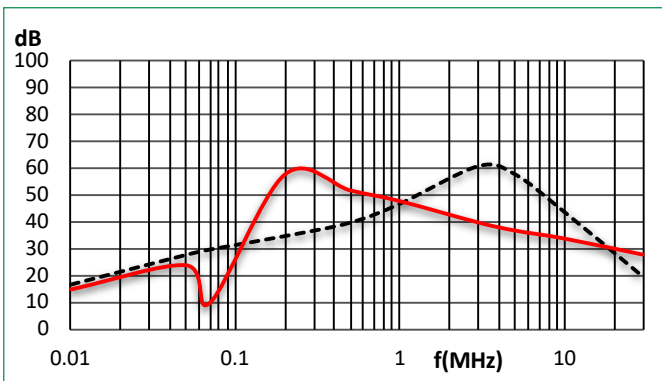
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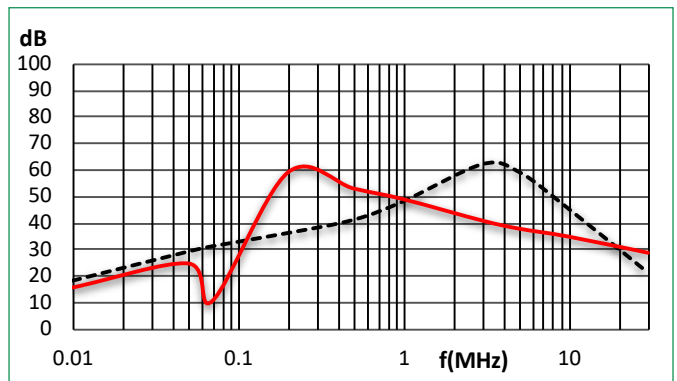
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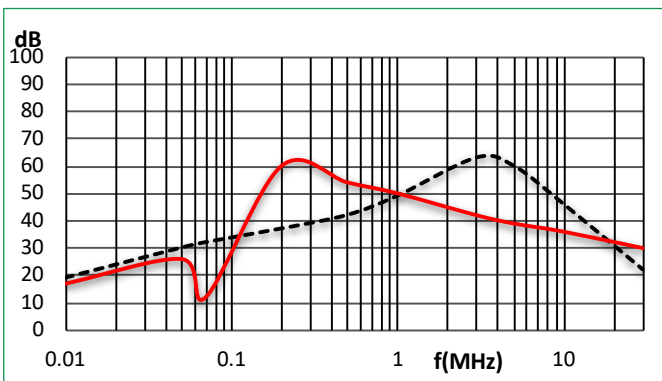
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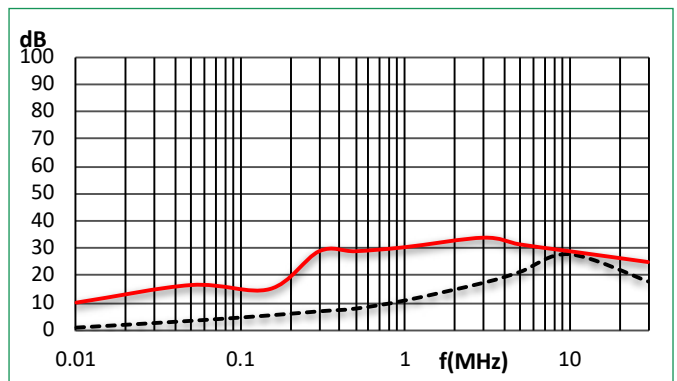
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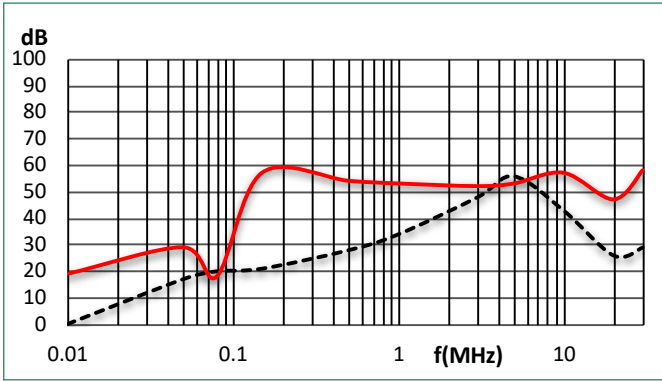
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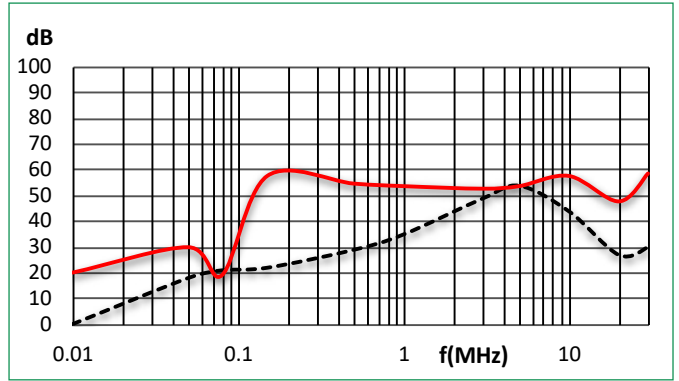
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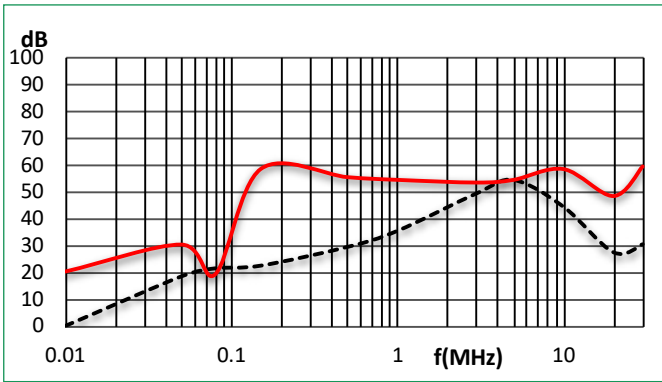
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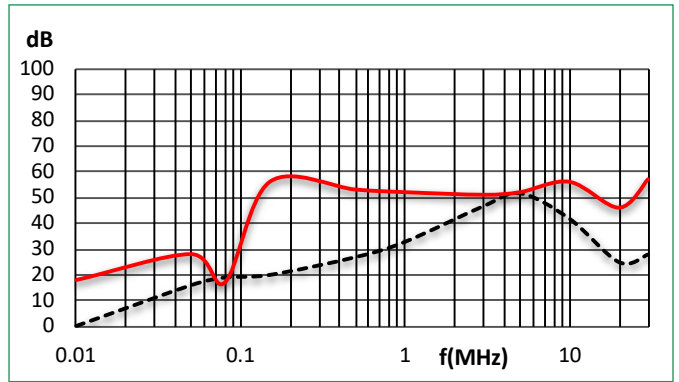
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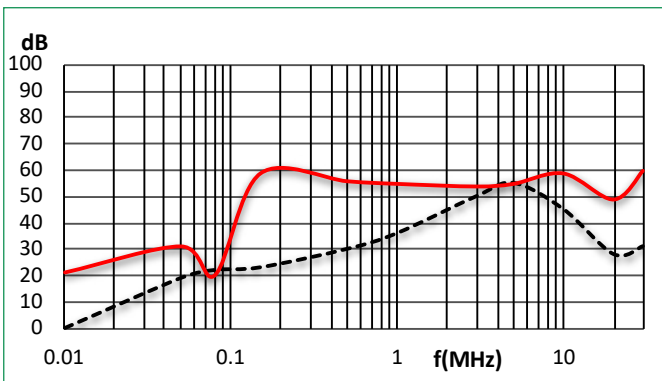
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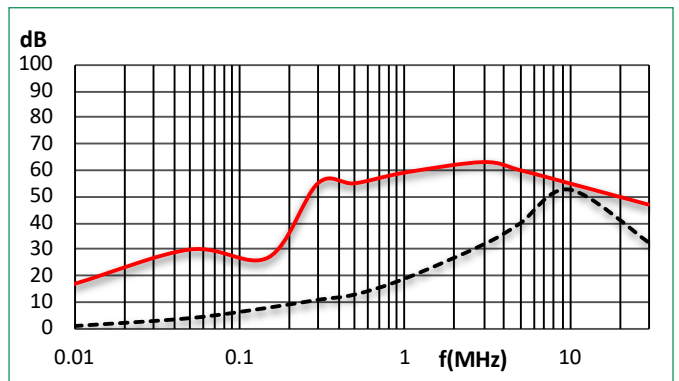
42A



45A



47A



50A

