

Single Phase Emi filter | BL 2740 - High Performance Type

General Details

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

Typical Applications and Features

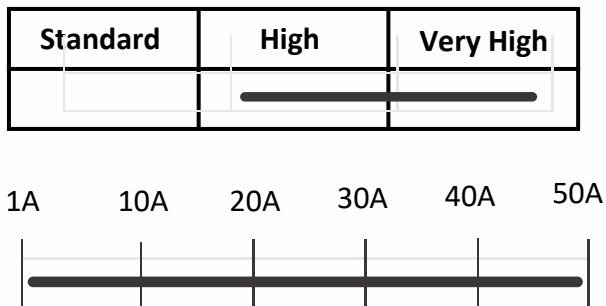
- Rated Current up to 50A
- High Conducted attenuation performance
- Chassis mounting
- Power Systems
- Electronic Equipments
- Frequency convertors
- Stepper motor drives
- UPS/Inverters



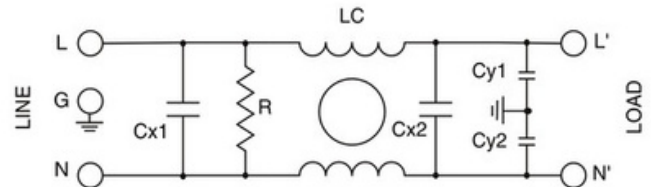
Certifications



Performance Indicator



Typical Circuit Diagram



Technical Characteristics

Type	Three-Phase Inductor with Phase-Separate Winding
Cofiguration	Phase-separate winding for efficient performance
Voltage Range	3x340 to 530 VAC (Nominal: 3x380 to 480 VAC)
Current Ratings	1.76A to 240A @ 45°C
Overload Capability	1.6x rated current (1 min/hour)
Impedence	4% @ 400V, 50Hz
High Potential Test Voltage	3030 VAC (1s)
Earth System	TN, TT, IT
Overload Capacity	OV III (IEC 60664-1 / UL 61800-5-1)
Pollution Degree	PD3
Temperature Range	-40°C to +100°C

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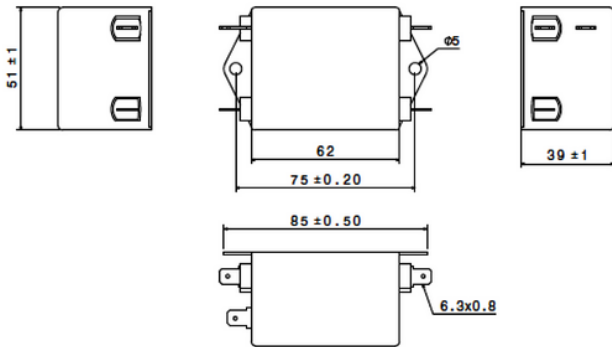
Electrical Rating Power

Model Number	Rated Current @40°C	Leakage Current (mA) @250VAC/50Hz	Termination	Weight (g)
BL2740-1-F	1A	0.74	6.3x0.8	250
BL2740-2-F	2A	0.74	6.3x0.8	250
BL2740-3-F	3A	0.74	6.3x0.8	250
BL2740-5-F	5A	0.74	6.3x0.8	250
BL2740-6-F	6A	0.74	6.3x0.8	250
BL2740-10-F	10A	0.74	6.3x0.8	250
BL2740-12-S	12A	0.74	M5	650
BL2740-15-S	15A	0.74	M5	650
BL2740-16-S	16A	0.74	M5	650
BL2740-18-S	18A	0.74	M5	650
BL2740-20-S	20A	0.74	M5	650
BL2740-25-S	25A	0.74	M5	650
BL2740-30-S	30A	0.74	M5	1000
BL2740-32-S	32A	0.74	M5	1000
BL2740-35-S	35A	0.74	M5	1000
BL2740-40-S	40A	0.74	M5	1000
BL2740-42-S	42A	0.74	M6	2000
BL2740-45-S	45A	0.74	M6	2000
BL2740-47-S	47A	0.74	M6	2000
BL2740-50-S	50A	0.74	M6	2000

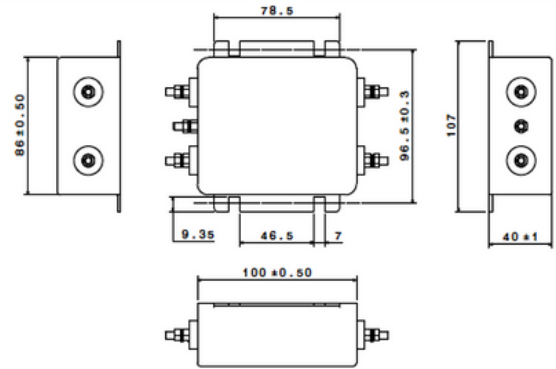
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Mechanical Data

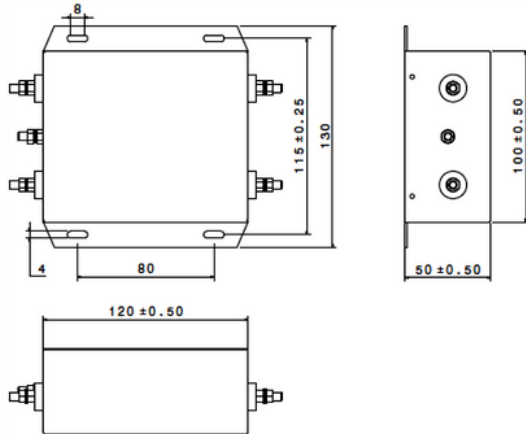
1 to 10 A



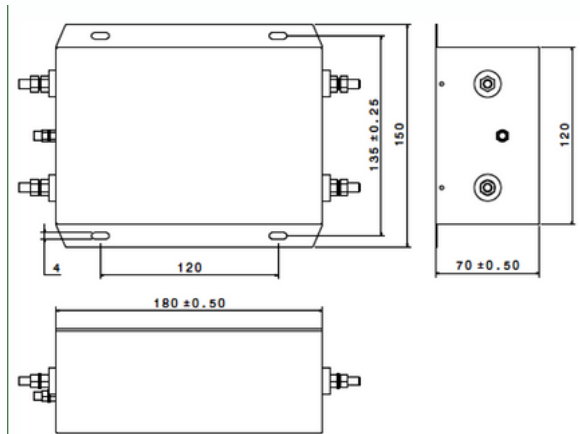
12 to 25A



30 to 40A



42 to 50A



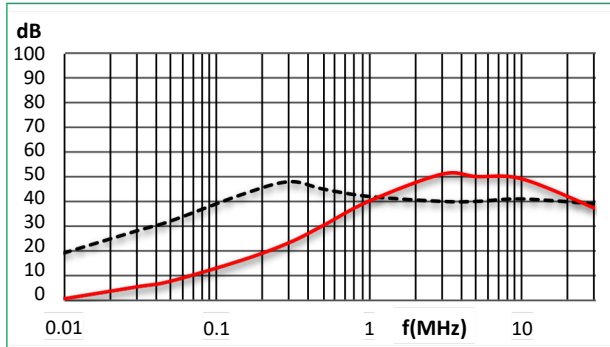
Note: All dimensions in mm; Tolerances according to ISO2768-C

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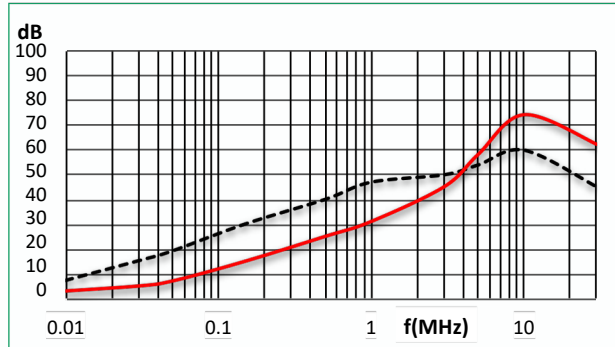
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Graphical Representations

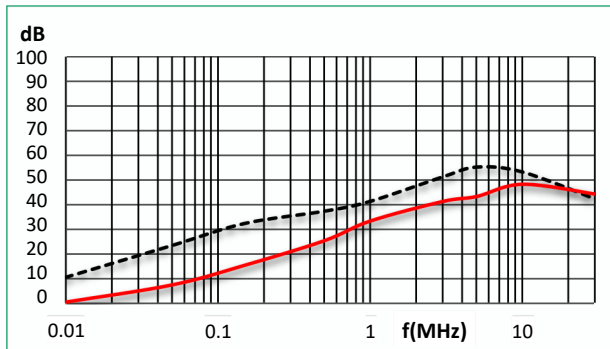
1A



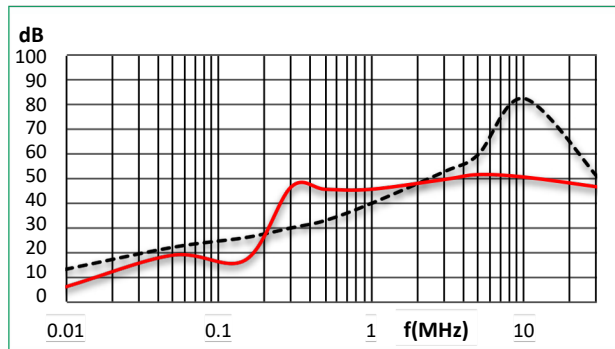
2A



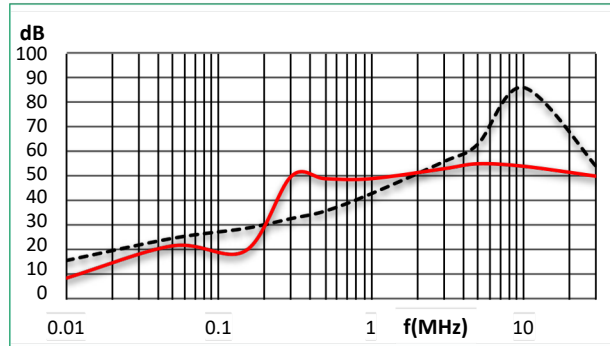
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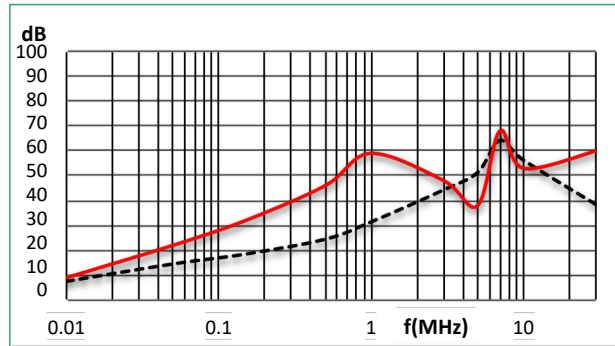
5A



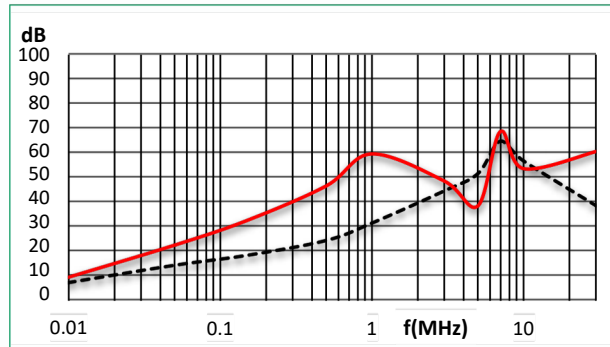
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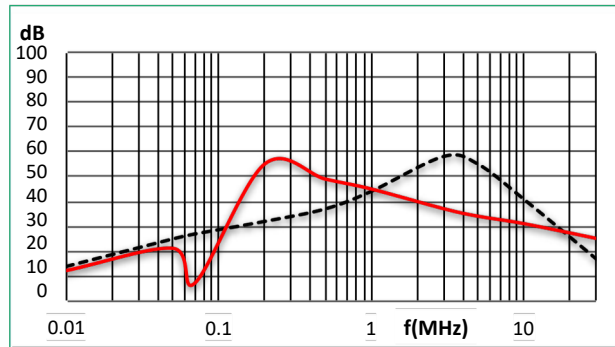
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12A

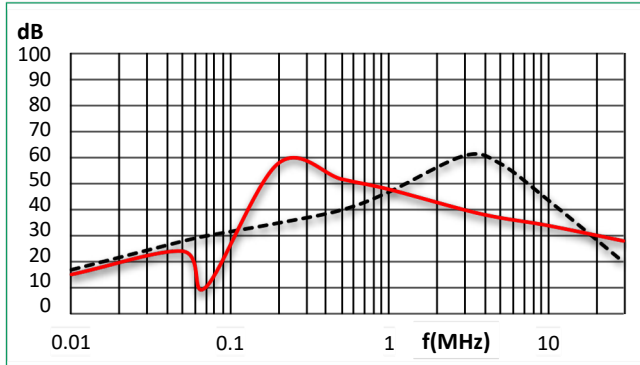


15A

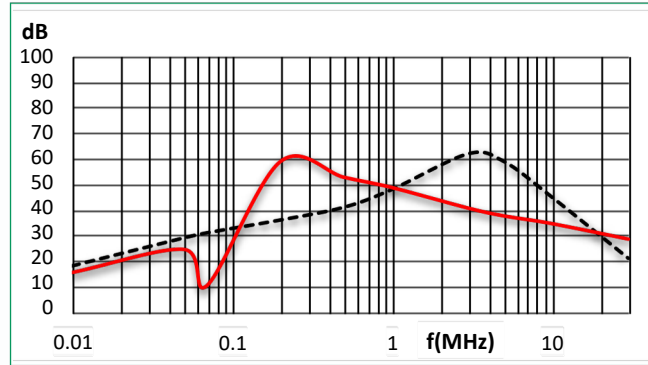


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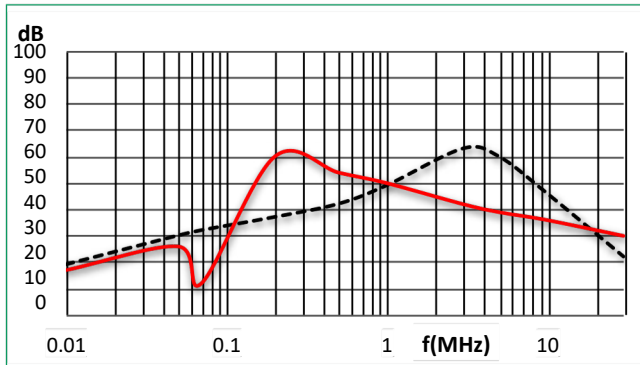
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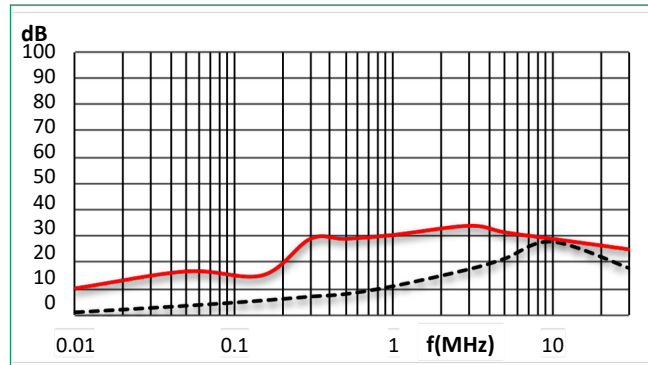
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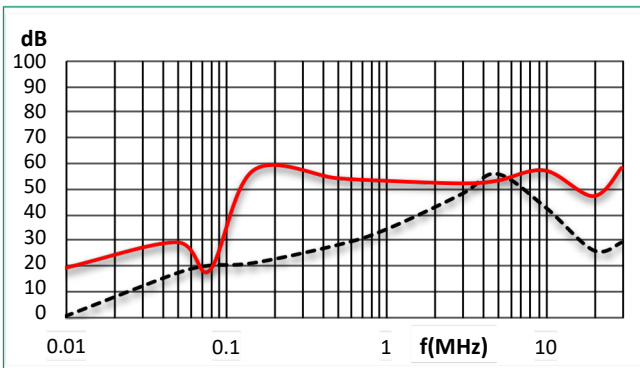
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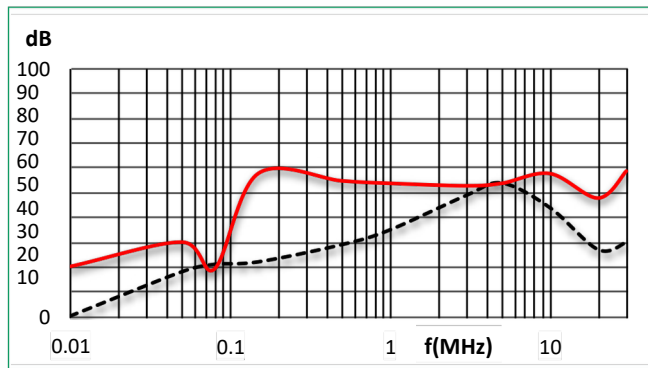
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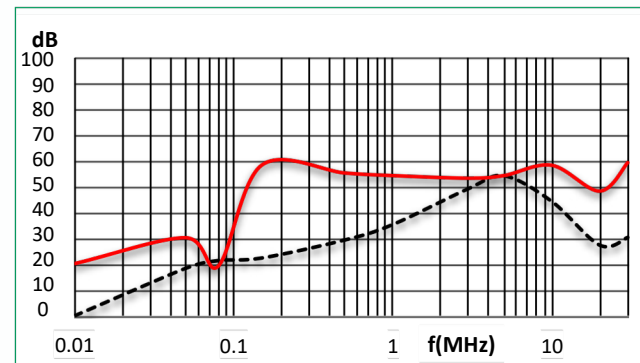
32A



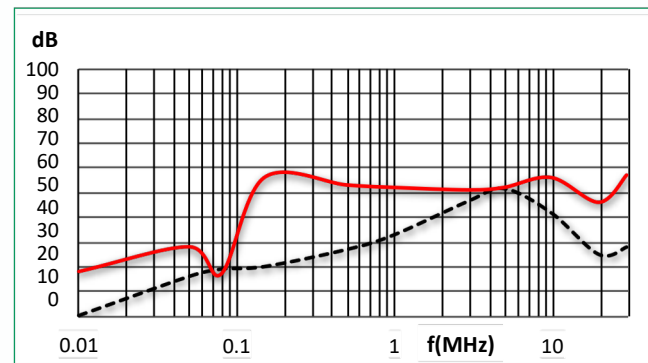
35A



40A

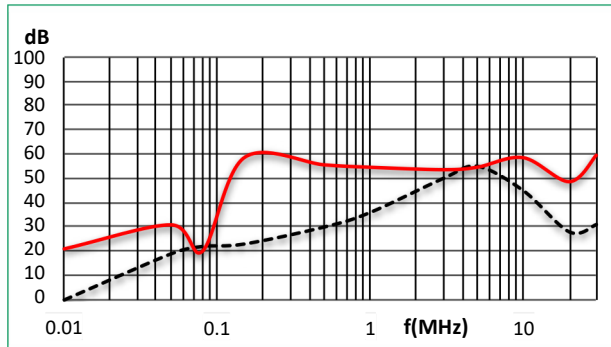


42A

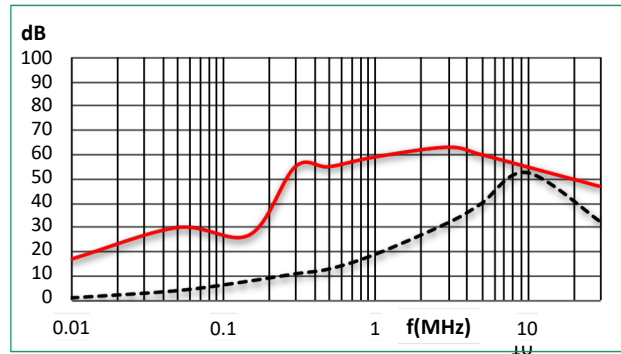


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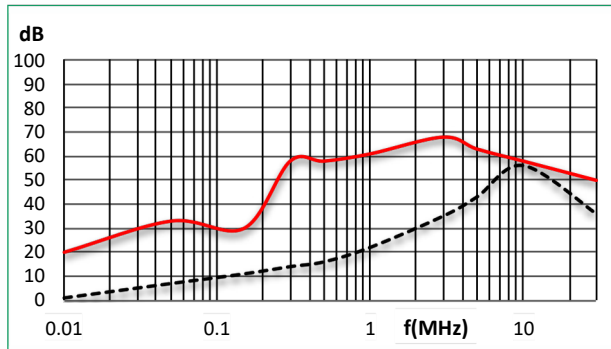
45A



47A



50A



10

10