


Features:

- Double stage filter
- Medical Version available
- High conducted attenuation performance
- Superior Performance
- Chassis mounting

Applications:

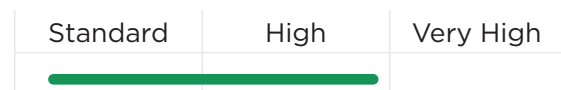
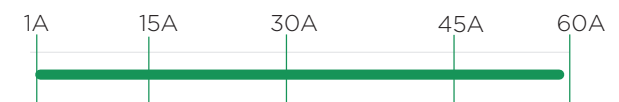
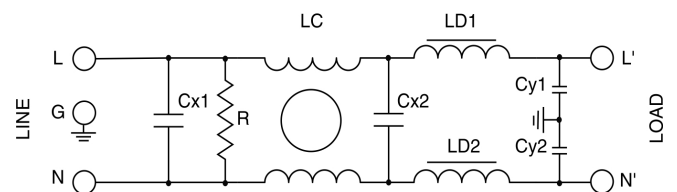
- Power Systems
- Electronic Equipment
- Frequency convertors
- SMPS
- Escalators

DATA SHEET
SINGLE PHASE EMI FILTER – MF430
Description



Filter with additional differential mode rejection in low frequency. For use with switched mode power supplies to reduce noise from power supply back into the mains. Filter also provides good attenuation of incoming interference.

Technical Specifications:

Maximum Continuous Operating Voltage	: 250VAC, 50/60Hz(UL Approval) 250VDC
Operating Frequency	: DC to 400Hz
Current ratings	: 1A to 60A @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 and IEC 60939 1 & 2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

Performance Indicator

Rated current [A]

Typical circuit Diagram


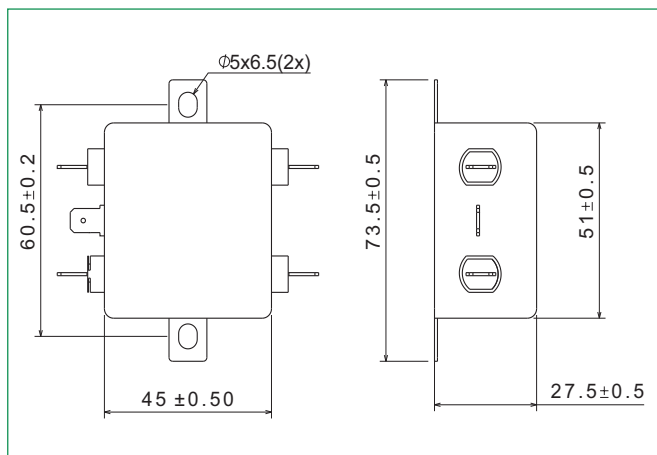
Ordering Information

Model Number	Part Number	Rated Current @40°C	Leakage Current (mA) @250VAC	Termination		Weight (Grams)
						
MF 430	E100037-2	1A	0.34	6.3 x 0.8		120
MF 430	E100037-3	2A	0.34	6.3 x 0.8		120
MF 430	E100037-4	3A	0.34	6.3 x 0.8		170
MF 430	E100037-5	6A	0.34	6.3 x 0.8		170
MF 430	E100037-6	10A	0.34	6.3 x 0.8		170
MF 430	E100037-14	12A*	0.34		M5	650
MF 430	E100037-7	15A	0.34		M5	650
MF 430	E100037-8	20A	0.74		M5	650
MF 430	E100037-9	25A	0.74		M5	650
MF 430	E100037-10	30A	0.74		M5	650
MF 430	E100037-11	40A	0.74		M5	1000
MF 430	E100037-12	50A	0.74		M6	2000
MF 430	E100037-13	60A*	0.74		M6	2000

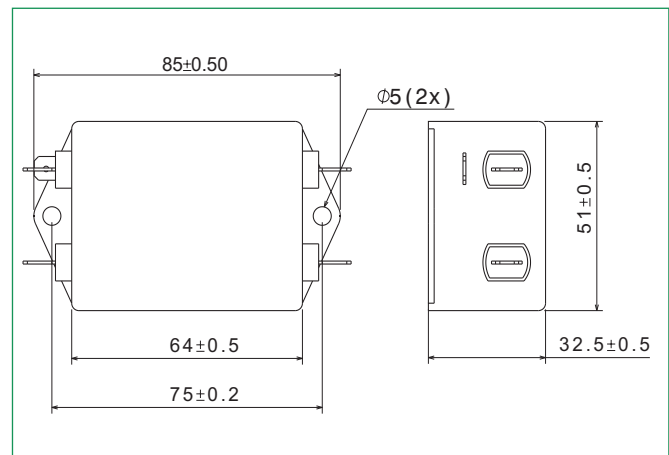
Note : *not covered under NEMKO

Mechanical Drawing:

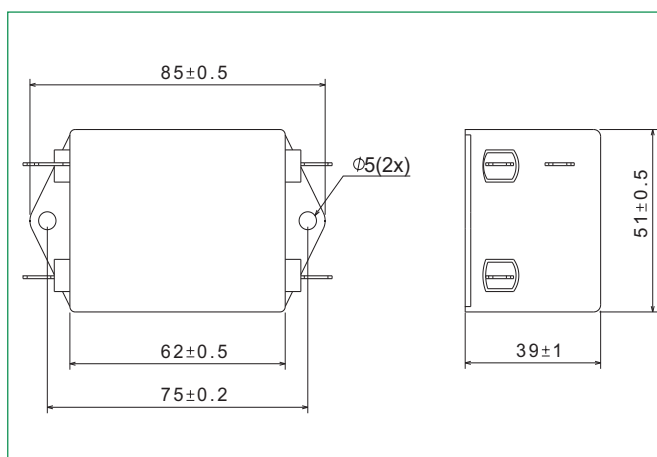
1A to 2A



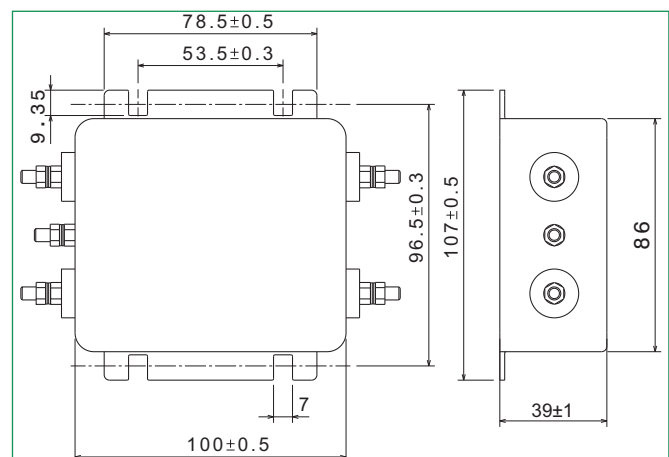
3A to 6A



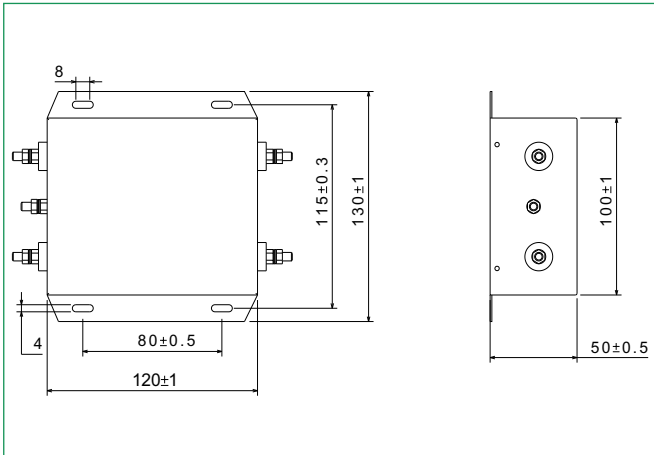
10A



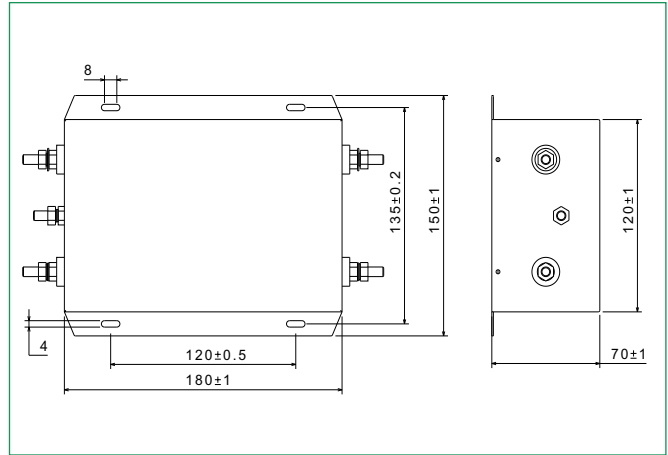
12A to 20A



30A to 40A



50A to 60A



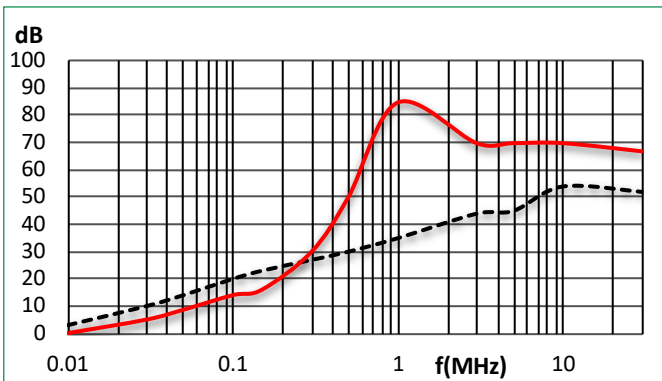
Thread Size	M5	M6
Recommended Torque (Nm)	2-2.2	3.5-4
Earth Terminal (Nm)	2-2.2	3.5-4

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

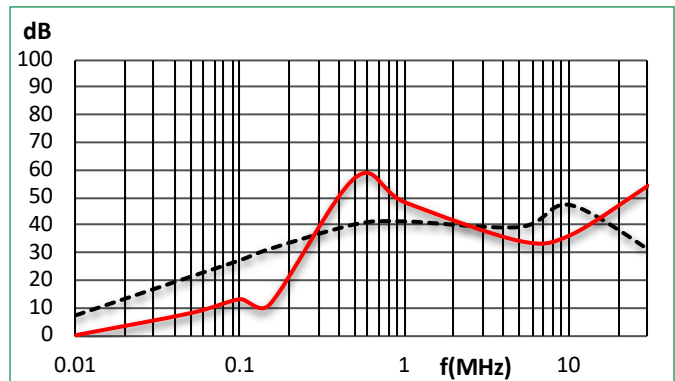
Insertion Loss : Common mode Differential Mode

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

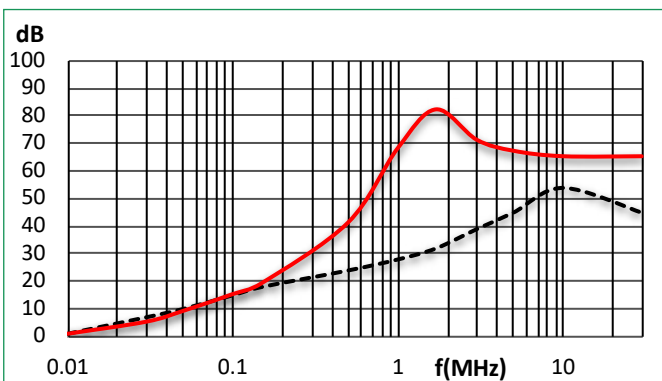
1A/2A



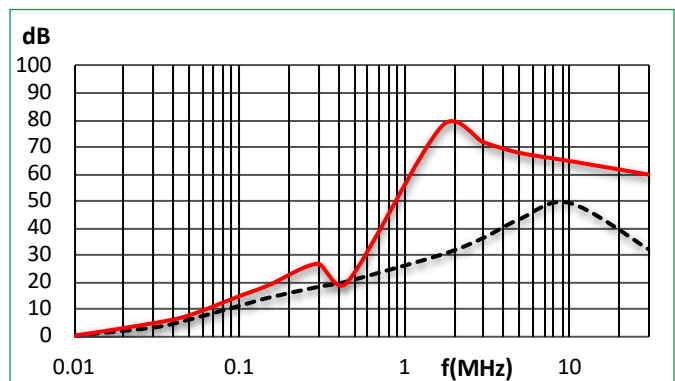
3A



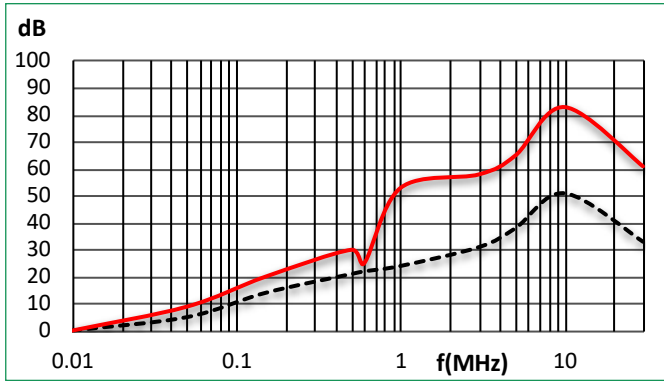
6A



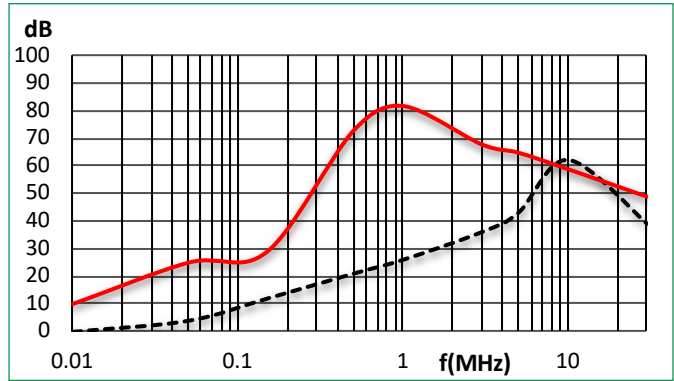
10A



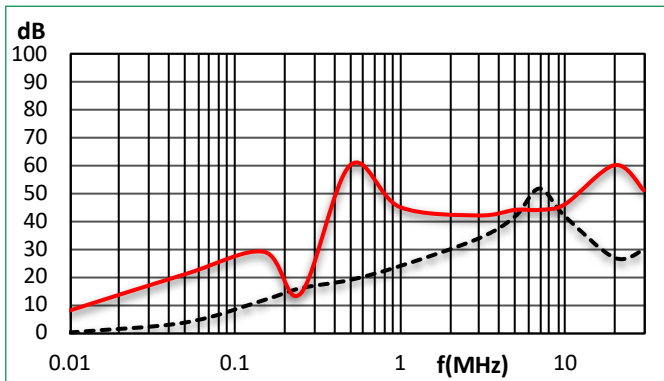
15A



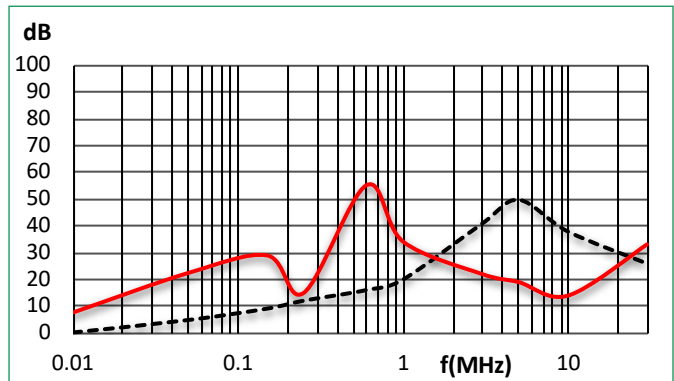
20A



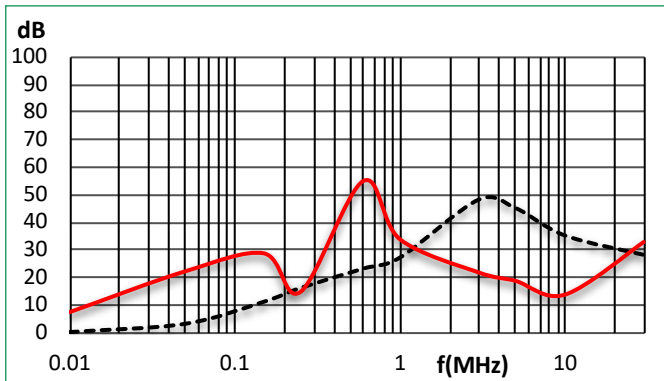
25A



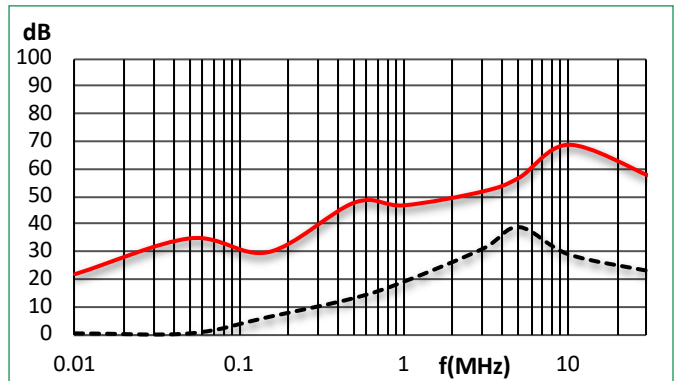
30A



40A



50A



60A

