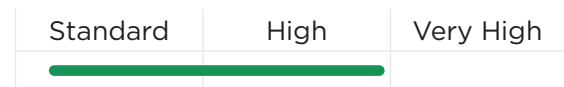
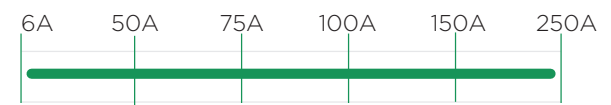
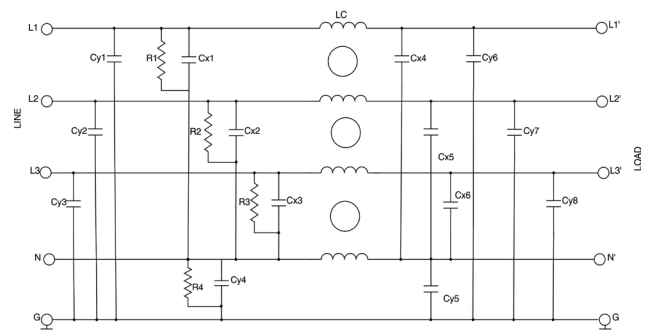



**Features:**

- Compact
- Good Attenuation Performance
- Chassis mounting 3 Phase Filter with neutral

**Applications:**

- CNC Machines
- Drivers
- Convertors
- Rectifier
- HVAC

**Performance Indicator**

**Rated current [A]**

**Typical circuit Diagram**

**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 4 2D**
**Description**

These series range of three phase filters with neutral designed to use in wide range of applications. Give superior performance when used in applications with low Impedance load controlling pulsed, continuous and intermittent interference noise and where high levels of mains borne interference are present.

**Technical Specifications:**

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 6A to 250A @ 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	: UL 60939-3, CSA 22.2 No.8-13 and IEC60939-1&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 (for 440VAC)	Part Number (for 520VAC)	Rated Current @40°C	Leakage current (mA)	Termination		Weight (Kg)
							
MF 423 4 2D	E100071-2	E100771-2	6A	8.5	4		0.7
MF 423 4 2D	E100071-3	E100771-3	8A*	8.5	4		2
MF 423 4 2D	E100071-4	E100771-4	10A*	8.5	4		2
MF 423 4 2D	E100071-5	E100771-5	15A*	8.5	4		2.5
MF 423 4 2D	E100071-6	E100771-6	16A	8.5	4		2.5
MF 423 4 2D	E100071-7	E100771-7	20A*	8.5	4		2.5
MF 423 4 2D	E100071-8	E100771-8	25A	8.5	4		2.5
MF 423 4 2D	E100071-9	E100771-9	36A	8.5	10		3
MF 423 4 2D	E100071-10	E100771-10	50A	8.5	10		3
MF 423 4 2D	E100071-11	E100771-11	60A	8.5	16		8
MF 423 4 2D	E100071-12	E100771-12	75A	12	16		8
MF 423 4 2D	E100071-13	E100771-13	80A*	12	25		8
MF 423 4 2D	E100071-14	E100771-14	100A*	12	25		8
MF 423 4 2D	E100071-16	E100771-16	125A*	12		M10	9
MF 423 4 2D	E100071-17	E100771-17	150A*	12		M10	9
MF 423 4 2D	E100071-18	E100771-18	160A*	12		M10	10
MF 423 4 2D	E100071-19	E100771-19	170A*	12		M10	10
MF 423 4 2D	E100071-20	E100771-20	200A*	12		M10	13
MF 423 4 2D	E100071-21	E100771-21	250A*	12		M10	13

Note: \*not covered under NEMKO

Filters with 520VAC are not covered under NEMKO.

## Connectors Cross Sections

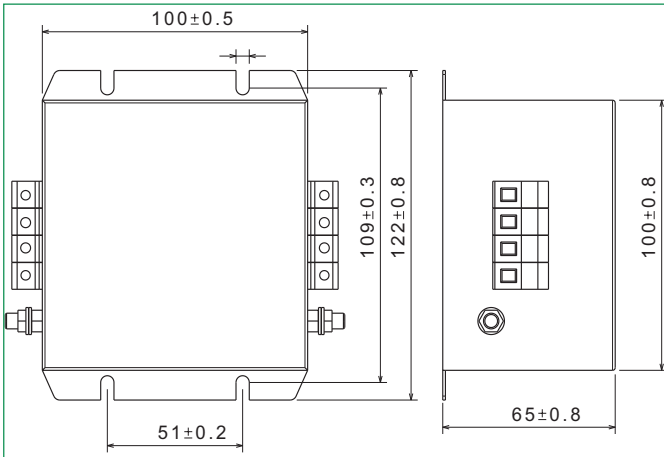
	4	10	16	25
Wire Section (mm <sup>2</sup> )	4mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	25mm <sup>2</sup>
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2 Nm / 18 in.lbs	2 Nm / 18 in.lbs

## For Screw Type Connections

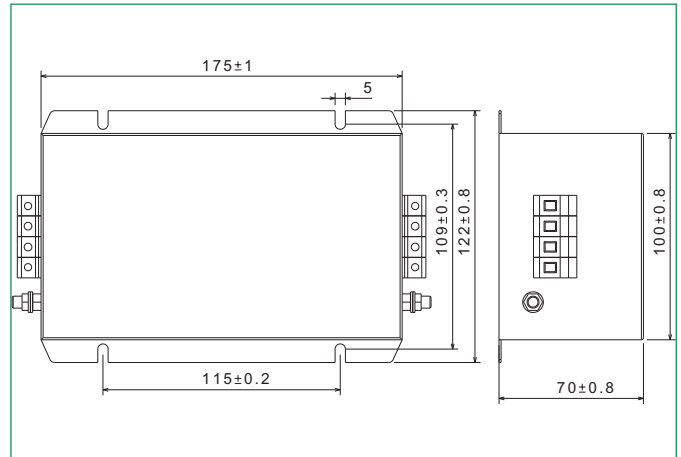
Thread Size	M10
Recommended Torque (Nm)	15-17
Earth Terminal (Nm)	15-17

**Mechanical Drawing:**

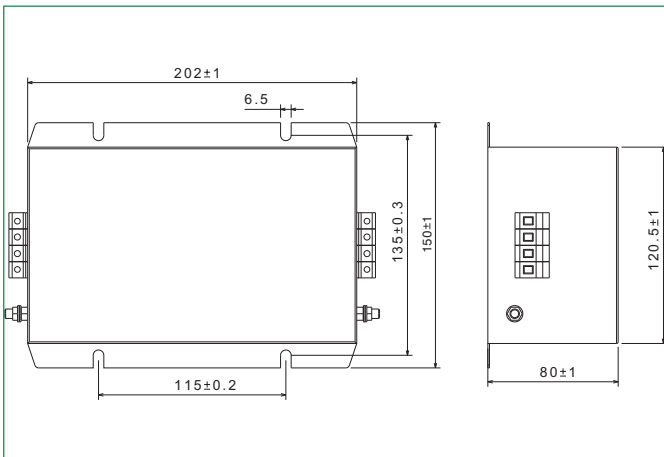
**6A**



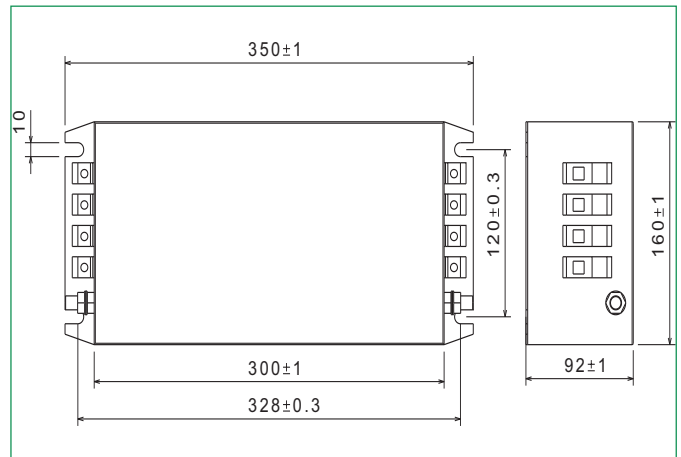
**8A-10A**



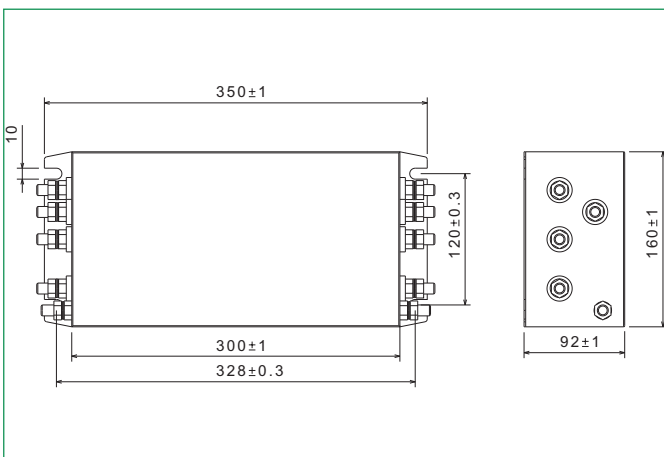
**15A-50A**



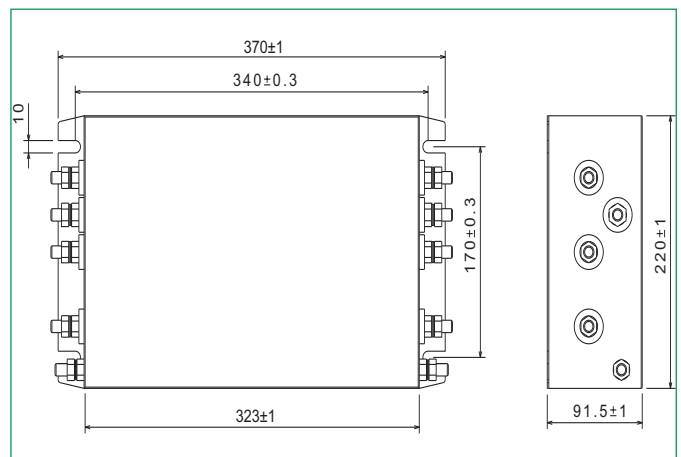
**60A-100A**



**125A-160A**



**170A-250A**

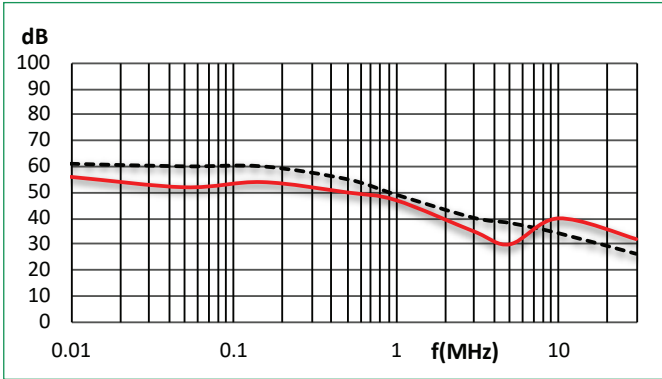


All dimensions in mm; Tolerances according to ISO2768-C

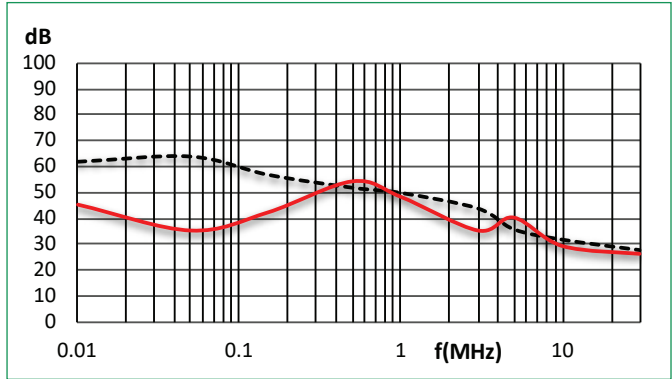
Insertion Loss : ..... Common mode \_\_\_\_\_ Differential Mode

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

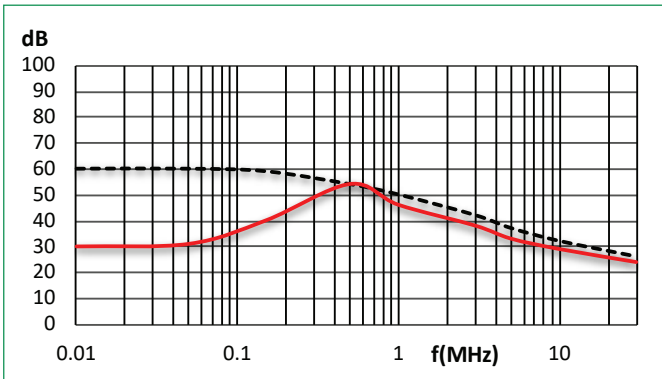
6A



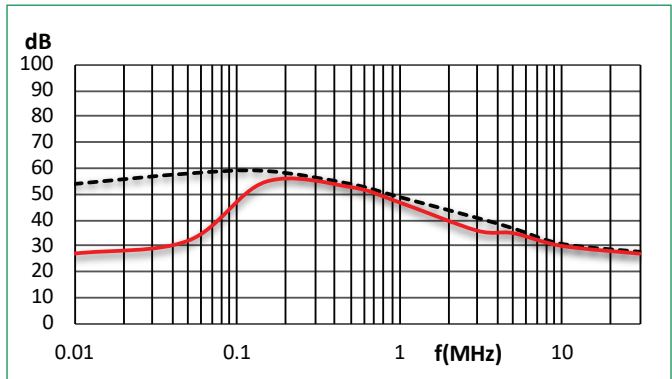
8A



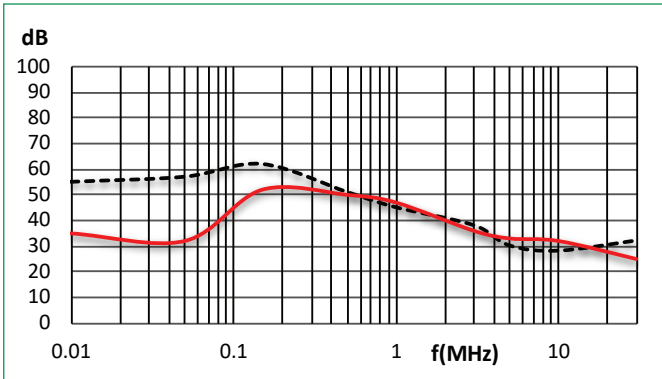
10A



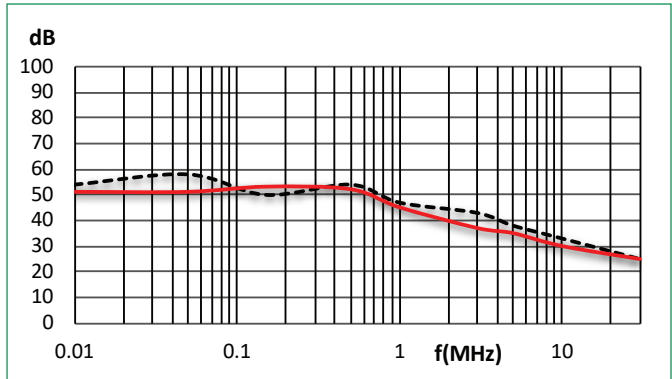
16A



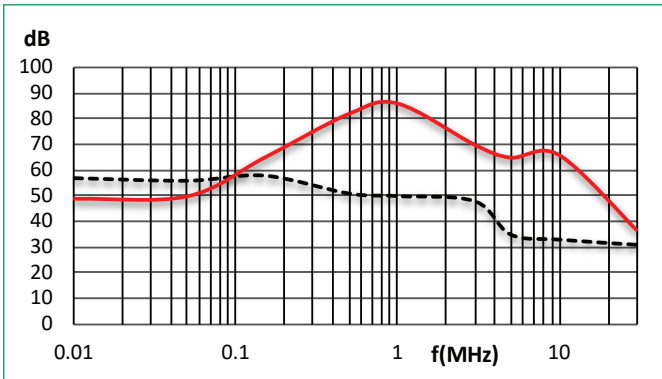
20A



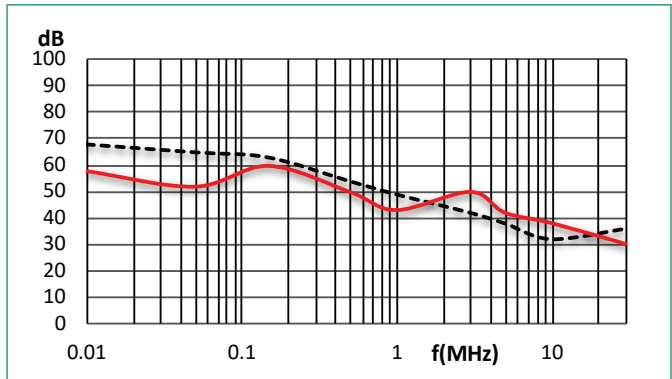
25A



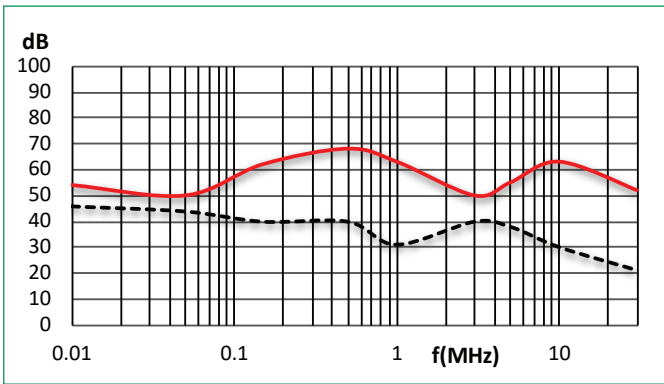
36A



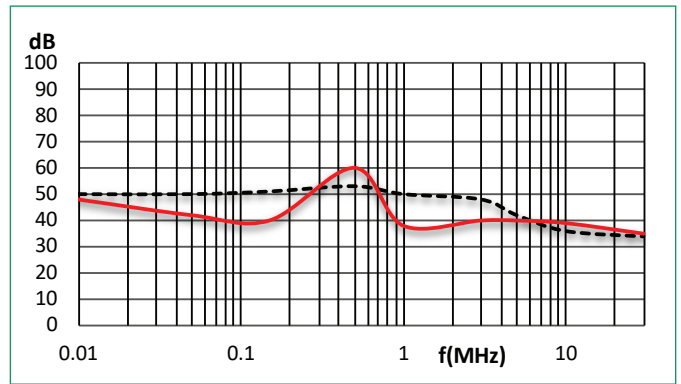
50A



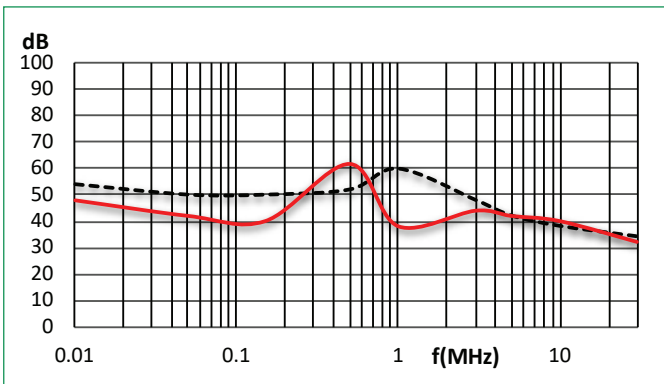
### 60A



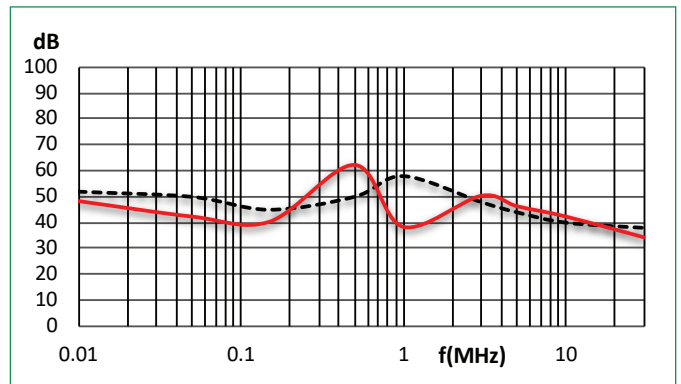
### 75A



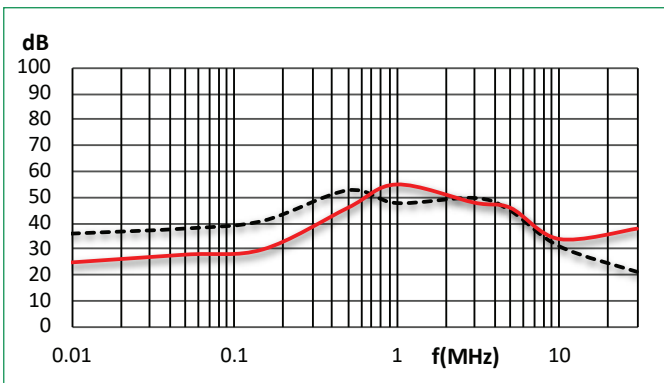
### 100A



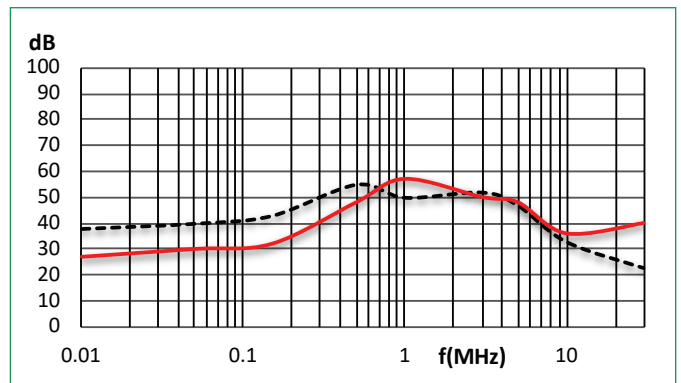
### 125A



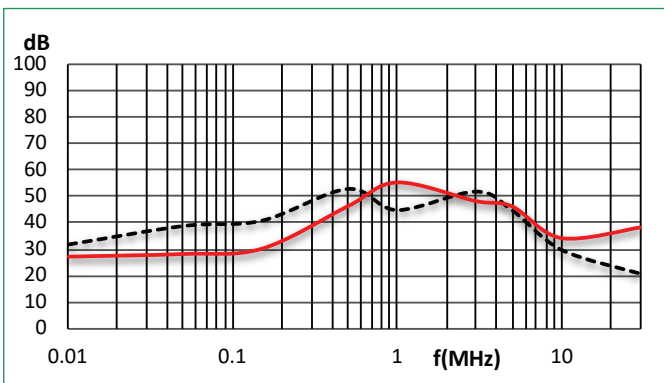
### 150A



### 160A-170A



### 200A



### 250A

