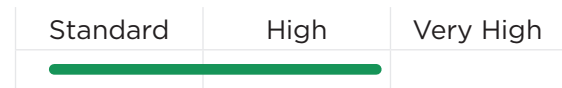



**Features:**

- Compact
- Superior Performance
- Chassis mounting 3 Phase Filter

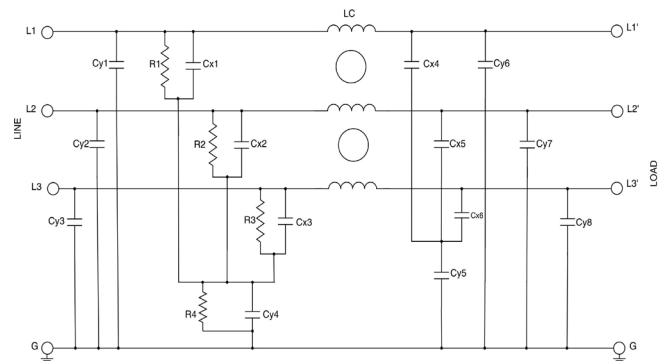
**Applications:**

- CNC Machines
- Drives
- Convertors
- Rectifier
- HVAC

**Performance Indicator**

**Rated current [A]**



**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 3 2D**
**Description**

These series range of three phase filters are 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.

**Typical circuit Diagram**

**Technical Specifications:**

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 3A 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

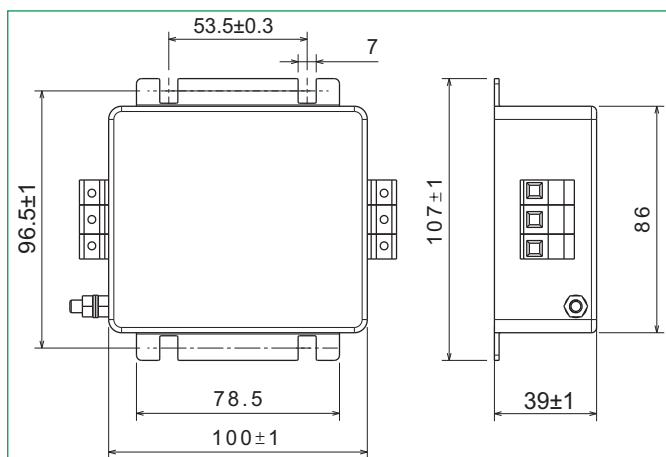
Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Leakage current (mA)	Rated Current @40°C	Termination		Weight (Kg)
							
MF 423 3 2D	E100067-2	E100770-2	8.5	3A*	4		0.6
MF 423 3 2D	E100067-3	E100770-3	8.5	6A*	4		0.7
MF 423 3 2D	E100067-4	E100770-4	8.5	8A*	4		2
MF 423 3 2D	E100067-5	E100770-5	8.5	10A*	4		2
MF 423 3 2D	E100067-6	E100770-6	8.5	15A*	4		3
MF 423 3 2D	E100067-7	E100770-7	8.5	16A	4		3
MF 423 3 2D	E100067-8	E100770-8	8.5	20A*	4		3
MF 423 3 2D	E100067-9	E100770-9	8.5	25A	4		3
MF 423 3 2D	E100067-10	E100770-10	8.5	36A	10		3
MF 423 3 2D	E100067-11	E100770-11	8.5	50A	10		3
MF 423 3 2D	E100067-12	E100770-12	12	60A	16		8
MF 423 3 2D	E100067-13	E100770-13	12	75A	16		8
MF 423 3 2D	E100067-14	E100770-14	12	80A*	25		8
MF 423 3 2D	E100067-15	E100770-15	12	100A*	25		8
MF 423 3 2D	E100067-16	E100770-16	12	125A*		M10	9
MF 423 3 2D	E100067-17	E100770-17	12	150A*		M10	9
MF 423 3 2D	E100067-18	E100770-18	12	160A		M10	9
MF 423 3 2D	E100067-19	E100770-19	12	200A		M10	9
MF 423 3 2D	E100067-20	E100770-20	12	250A		M10	9

Note: \*not covered under NEMKO

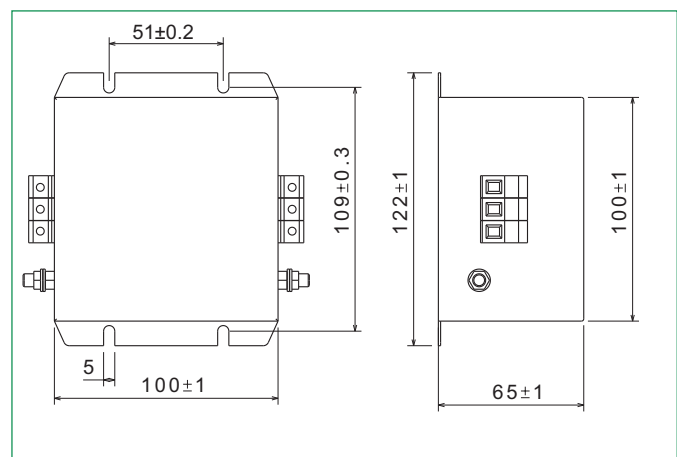
Filters with 520VAC are not covered under NEMKO.

## Mechanical Drawing:

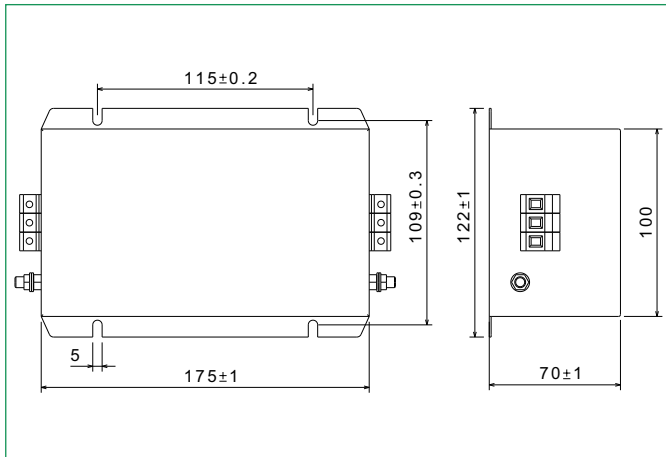
3A



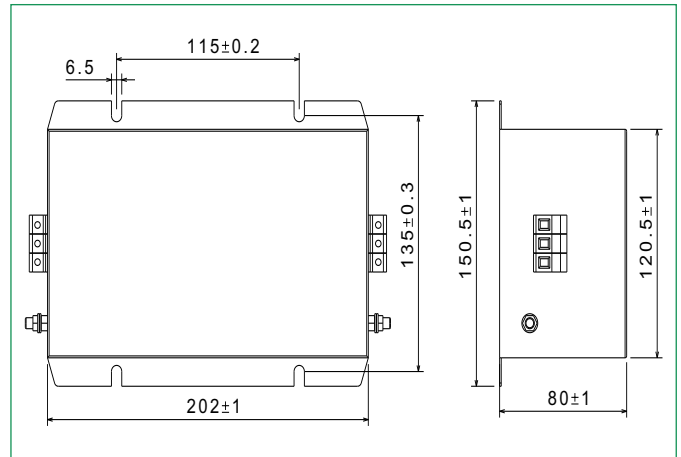
6A



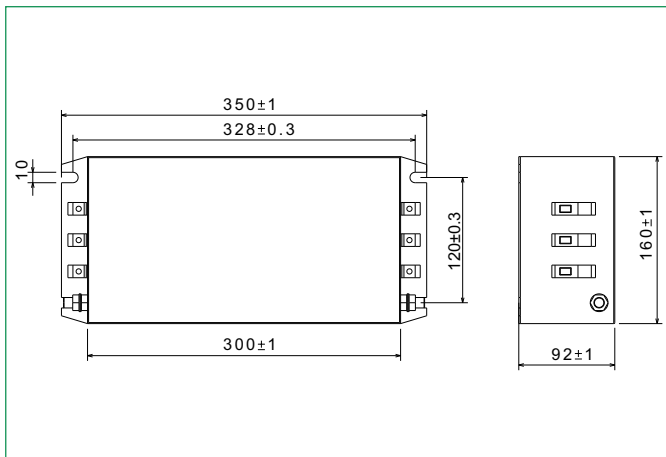
### 8A-10A



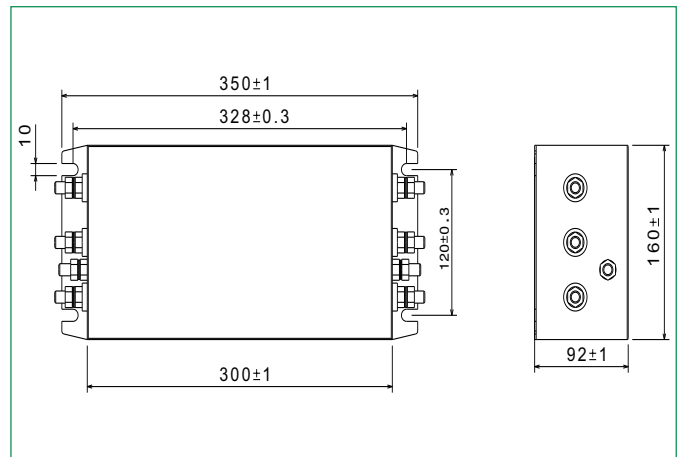
### 15A-50A



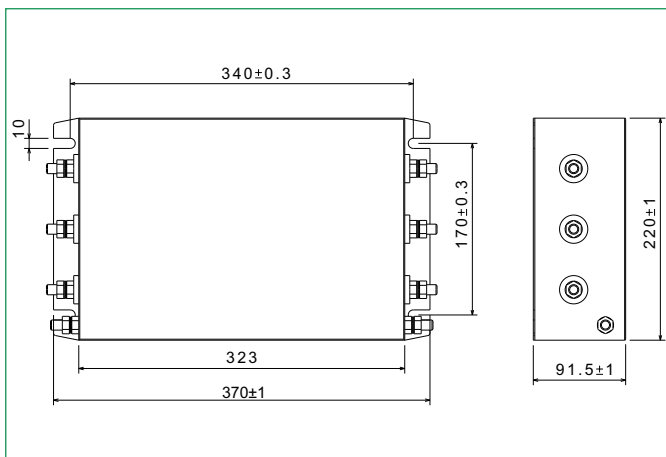
### 60A-100A




### 125A-150A



### 160A-250A



## 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	2Nm/18in.lbs	2-2.2 Nm / 18-19.8 in.lbs	2 Nm / 18 in.lbs

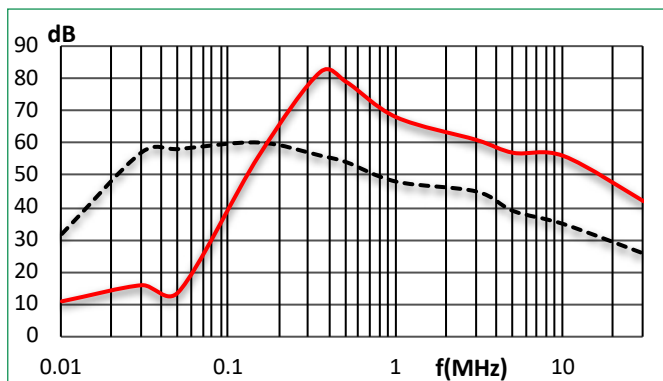
## For Screw Type Connections

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

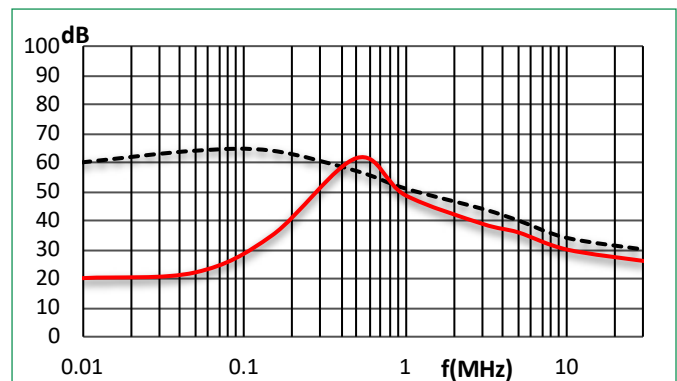
All Dimensions in mm; Tolerances according : ISO2768 - C

**Insertion Loss :** ..... Common mode \_\_\_\_\_ Differential Mode  
**Per CISPR 17; DM=50/50 sym; CM=50/50 asym**

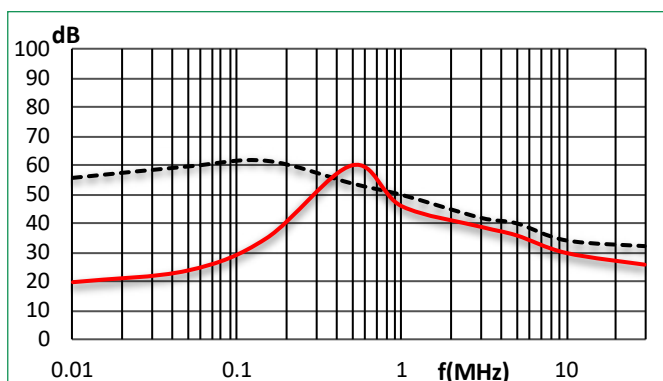
### 3A



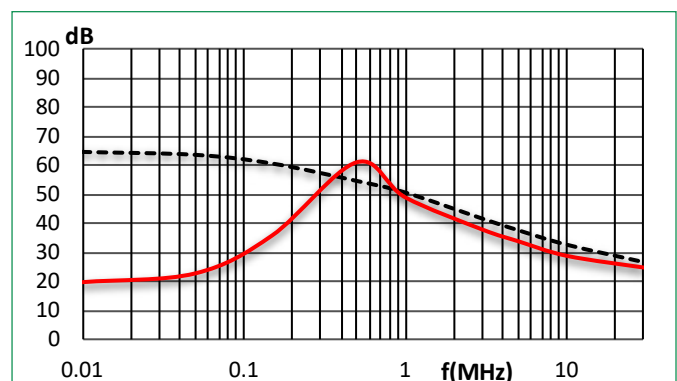
### 6A



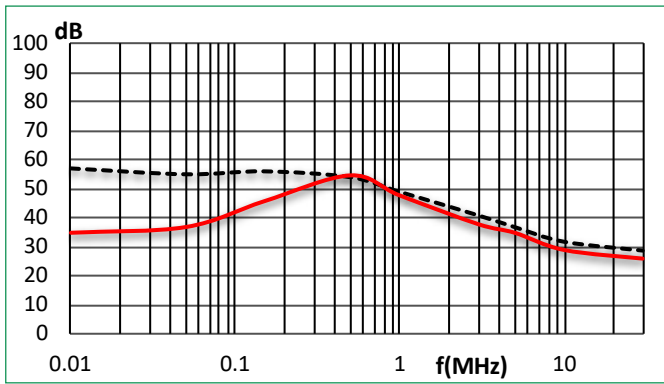
### 8A



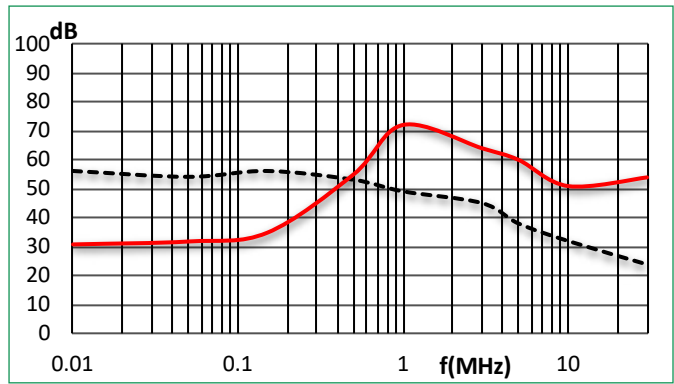
### 10A



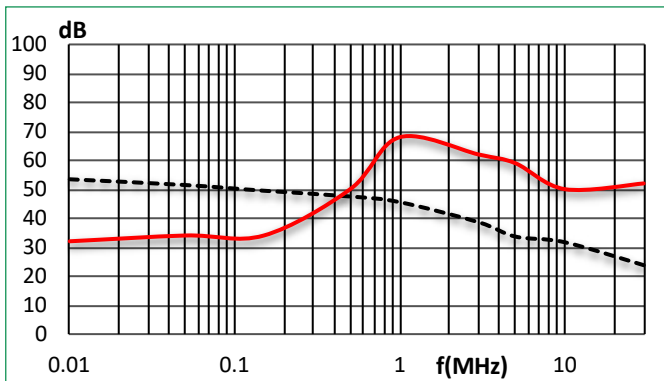
16A



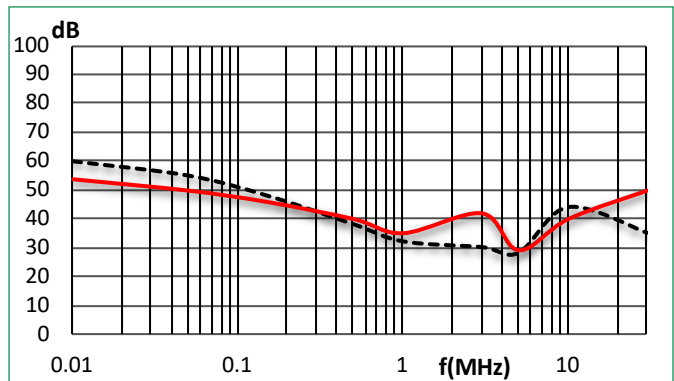
20A



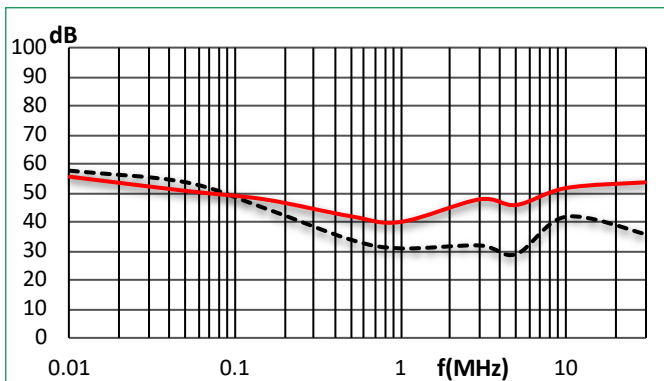
25A



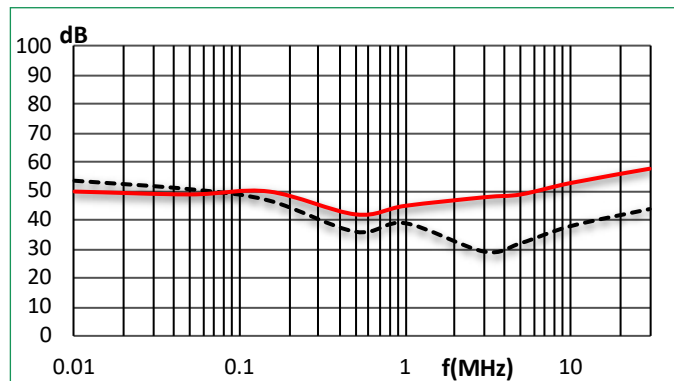
36A



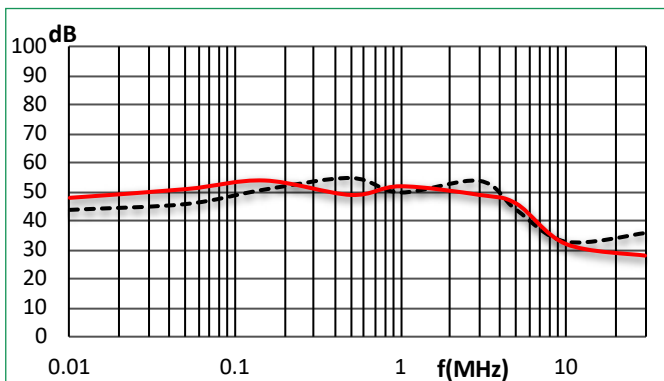
50A



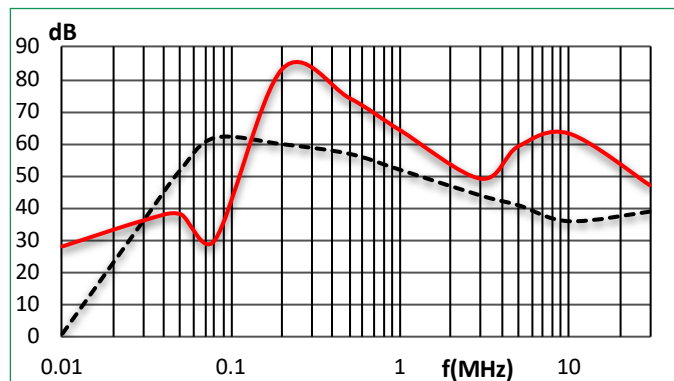
60A



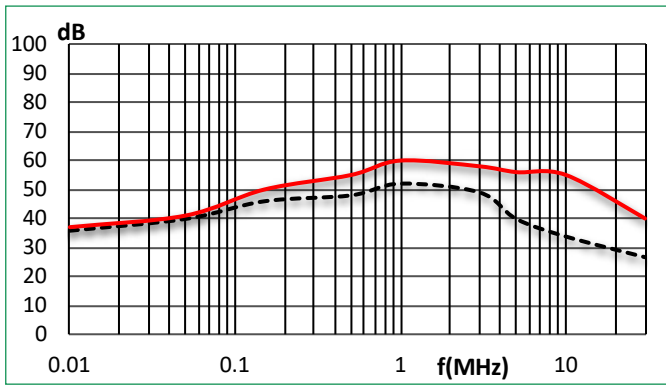
75A



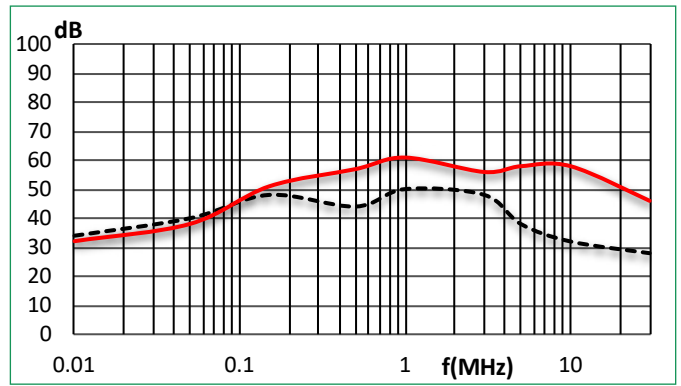
80A



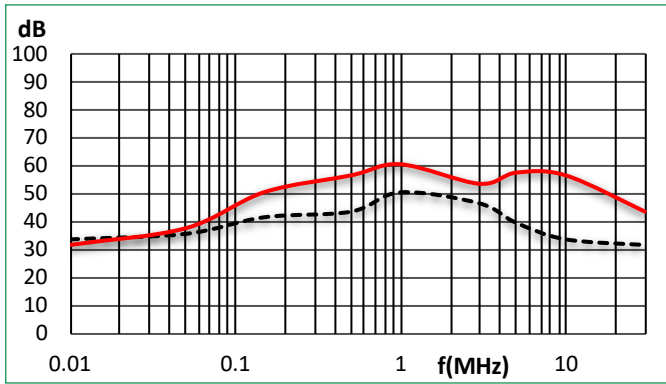
100A



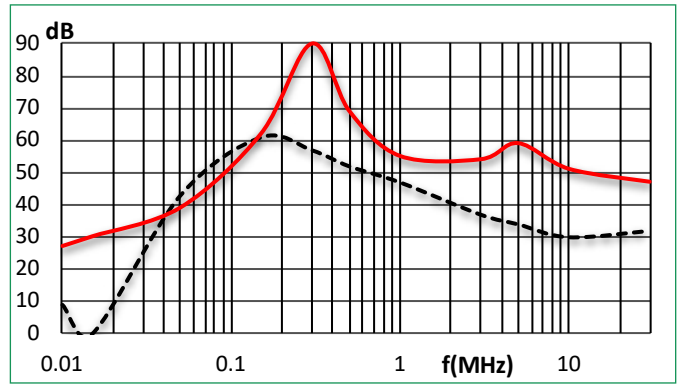
125A



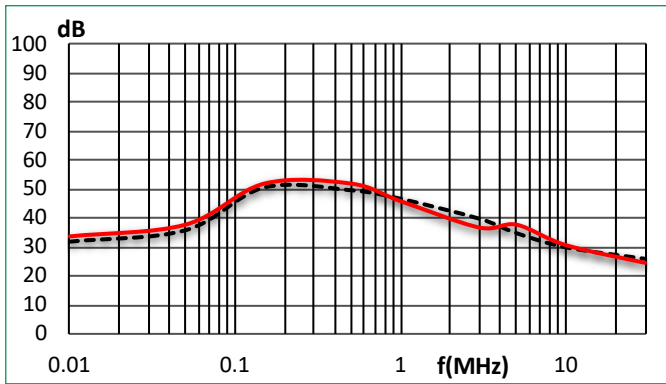
150A



160A



200A



250A

