

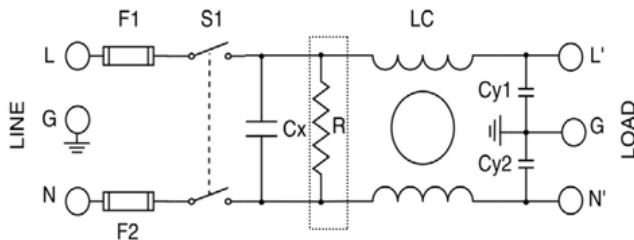


DATASHEET

IEC INLET FILTER WITH FUSE AND SWITCH - MF320 Series

These series range of IEC Inlet type filters with fuse and Switch 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 Circuit Diagram:



CY capacitors are not applicable for the medical version.

Bleeder Resistor is optional

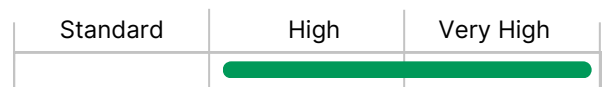
Features:

- Exceptional conducted attenuation performance
- Chokes with high saturation resistance
- Excellent thermal stability
- Standard or wide mounting flange
- Medical and safety Versions are available

Applications:

- Power Systems
- Electrical & Electronic Equipments
- Frequency convertors
- Medical Equipment
- Testing & Measurement Equipments
- Rack mounting Equipment

Performance Indicator:



Rated Current (A):



Technical Specifications:

Maximum Continuous Operating Voltage	: 250 VAC, 50/60Hz (UL Approval) 250 VDC
Operating Frequency	: DC to 400Hz
Current ratings	: 1A to 10A @40°C
High Potential test voltage	: L+N - G 2250VDC for 2 sec L-N 1450VDC for 2 sec
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC 60939-3
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +100°C
Climatic Category	: 25/100/21

Ordering Information :

Standard Version : High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination 	Min.Weight (g)
MF320-122-1-4	E100017-2	1	0.34	C14	-4	120
MF320-122-2-4	E113375-1	2	0.34	C14	-4	120
MF320-122-3-4	E100017-3	3	0.34	C14	-4	120
MF320-122-6-4	E100017-4	6	0.34	C14	-4	120
MF320-122-10-4	E100017-5	10	0.34	C14	-4	120

Safety Version : High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination 	Min.Weight (g)
MF320-122S-1-4	E113381-1	1	0.16	C14	-4	120
MF320-122S-2-4	E113382-1	2	0.16	C14	-4	120
MF320-122S-3-4	E113383-1	3	0.16	C14	-4	120
MF320-122S-6-4	E113384-1	6	0.16	C14	-4	120
MF320-122S-10-4	E113385-1	10	0.16	C14	-4	120

Medical Version : High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination 	Min.Weight (g)
MF320-122M-1-4	E101004-2	1	0	C14	-4	120
MF320-122M-2-4	E113391-1	2	0	C14	-4	120
MF320-122M-3-4	E101004-3	3	0	C14	-4	120
MF320-122M-6-4	E101004-4	6	0	C14	-4	120
MF320-122M-10-4	E101004-5	10	0	C14	-4	120

Standard Version : Very High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination	Min.Weight (g)
MF320-123-1-4	E113397-1	1	0.34	C14	-4	120
MF320-123-2-4	E113398-1	2	0.34	C14	-4	120
MF320-123-3-4	E113399-1	3	0.34	C14	-4	120
MF320-123-6-4	E113400-1	6	0.34	C14	-4	120
MF320-123-10-4	E113401-1	10	0.34	C14	-4	120

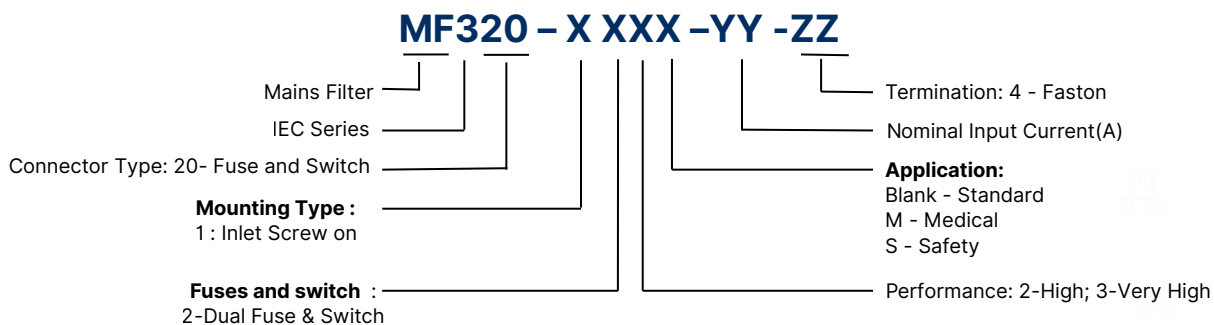
Safety Version : Very High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination	Min.Weight (g)
MF320-123S-1-4	E113407-1	1	0.16	C14	-4	120
MF320-123S-2-4	E113408-1	2	0.16	C14	-4	120
MF320-123S-3-4	E113409-1	3	0.16	C14	-4	120
MF320-123S-6-4	E113410-1	6	0.16	C14	-4	120
MF320-123S-10-4	E113411-1	10	0.16	C14	-4	120

Medical Version : Very High Performance						
Model Number	Part Number	Current Rating @40°C(A)	Leakage Current @250 VAC/50Hz (mA)	Input Connector	Output Termination	Min.Weight (g)
MF320-123M-1-4	E113437-1	1	0	C14	-4	120
MF320-123M-2-4	E113438-1	2	0	C14	-4	120
MF320-123M-3-4	E113439-1	3	0	C14	-4	120
MF320-123M-6-4	E113440-1	6	0	C14	-4	120
MF320-123M-10-4	E113441-1	10	0	C14	-4	120

Note :

The EMI filter model name for MF160 Series have been updated to MF320-XXXX-YY-ZZ.
Standardized leakage current calculation as per IEC60939 under normal operating condition.

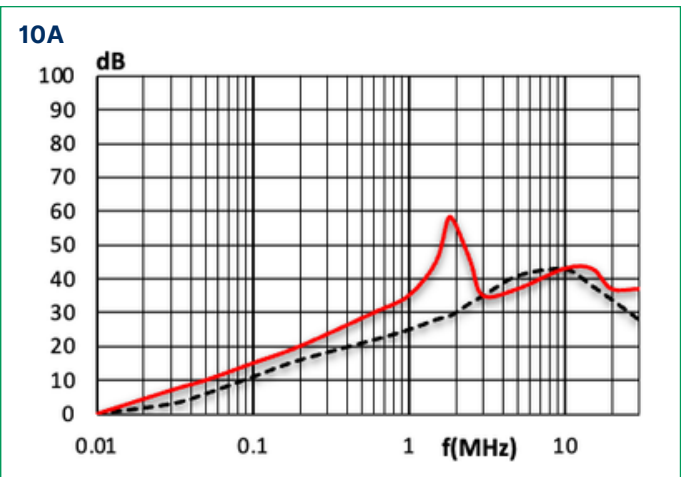
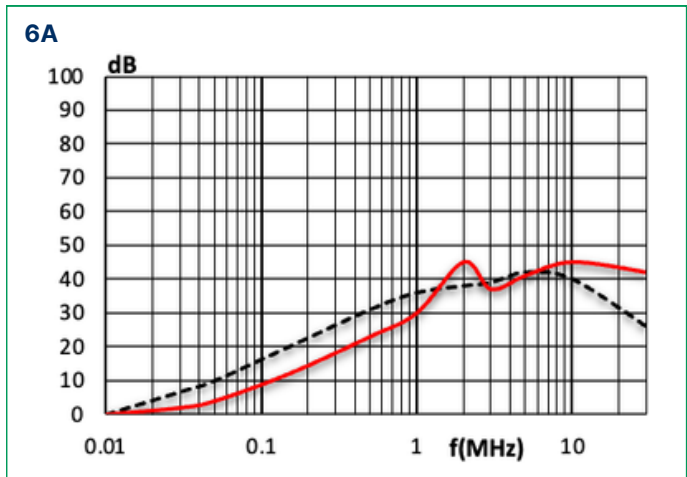
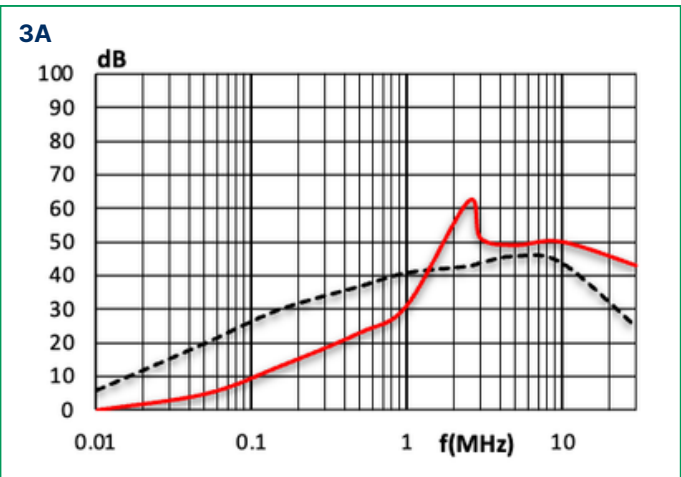
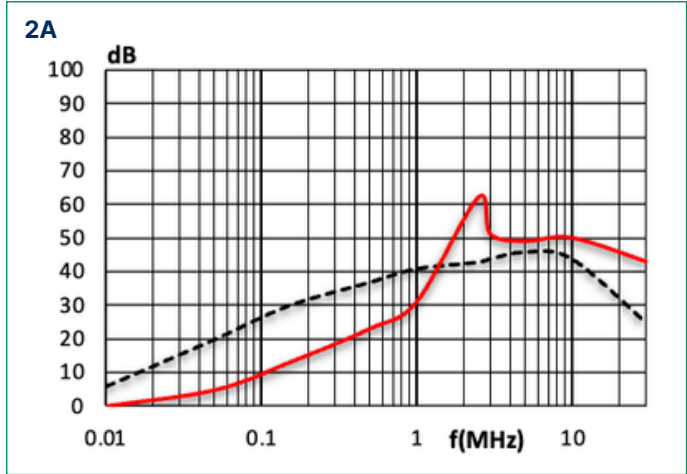
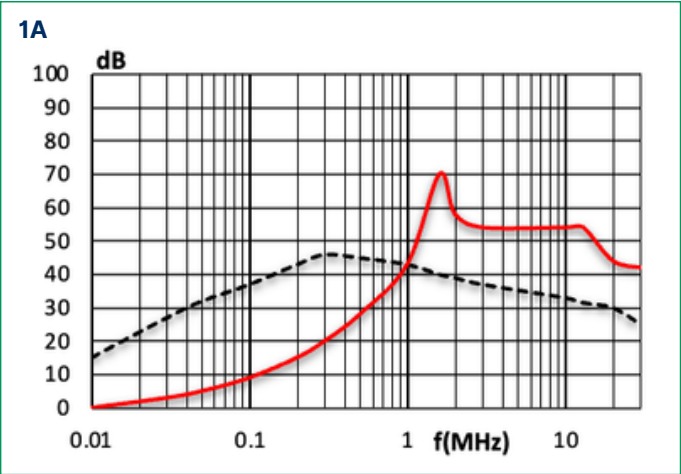
Product Selector

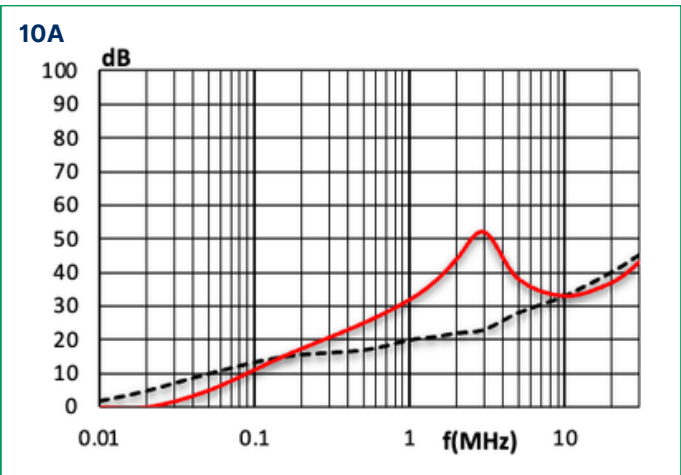
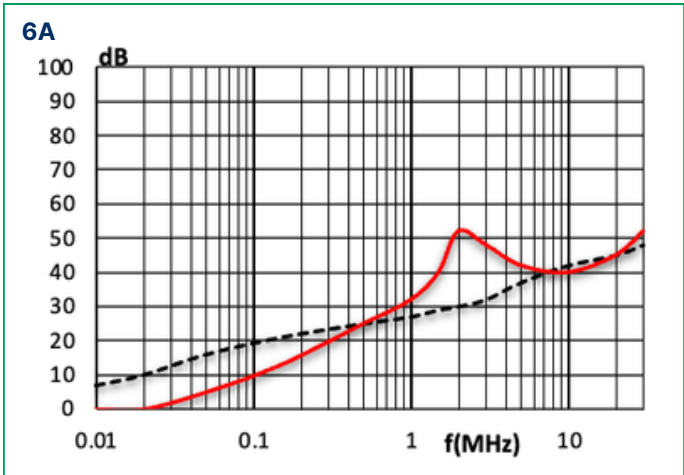
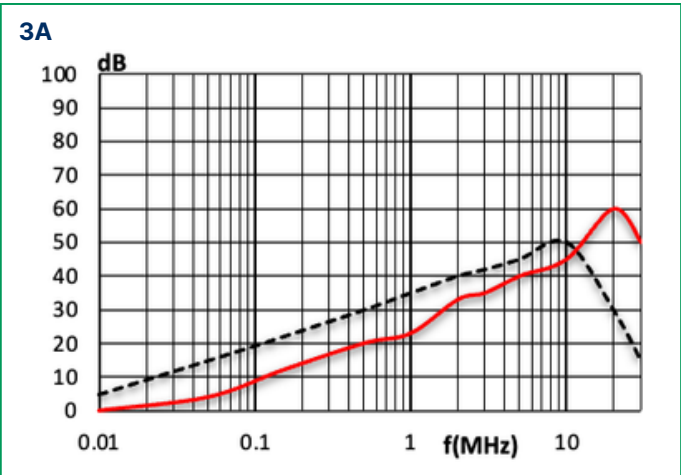
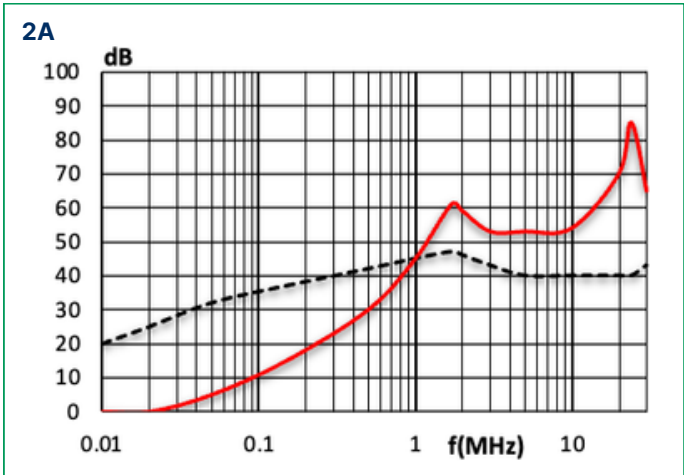
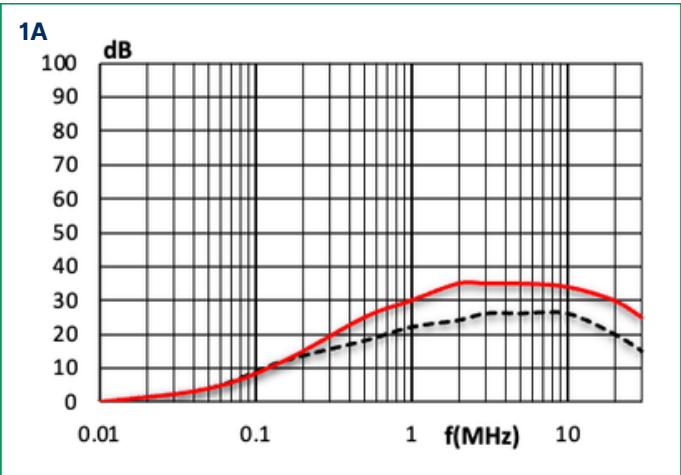


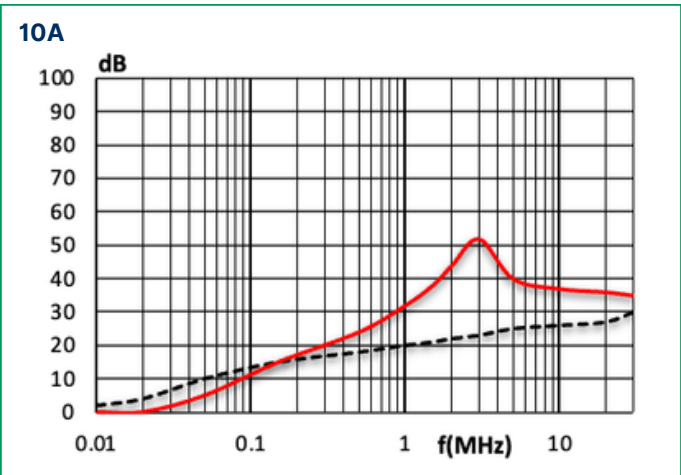
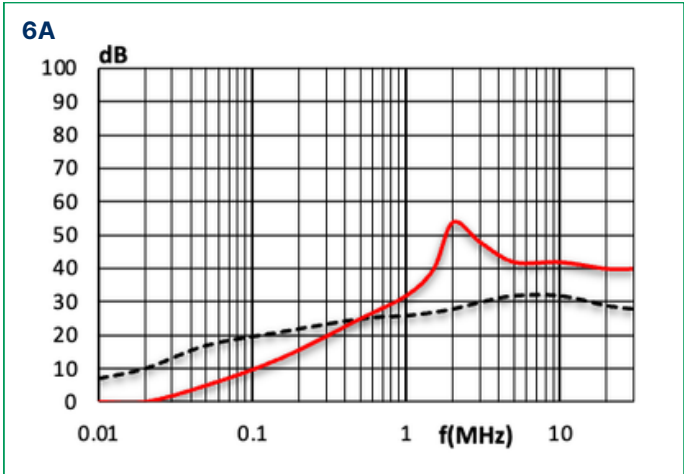
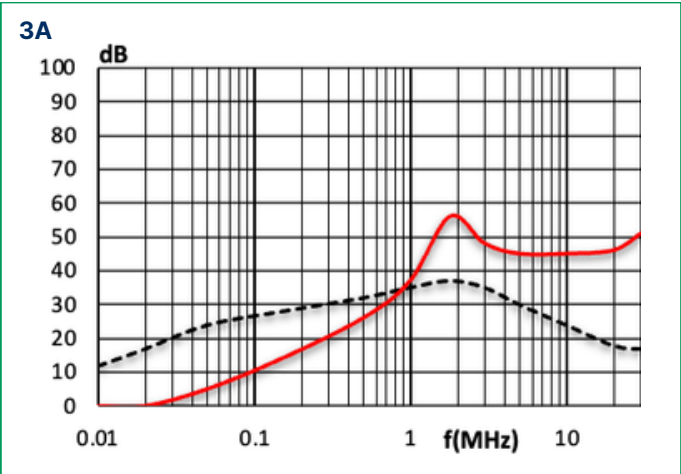
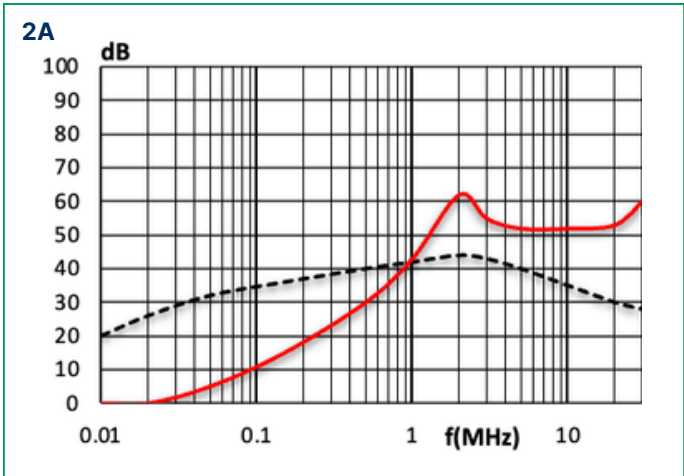
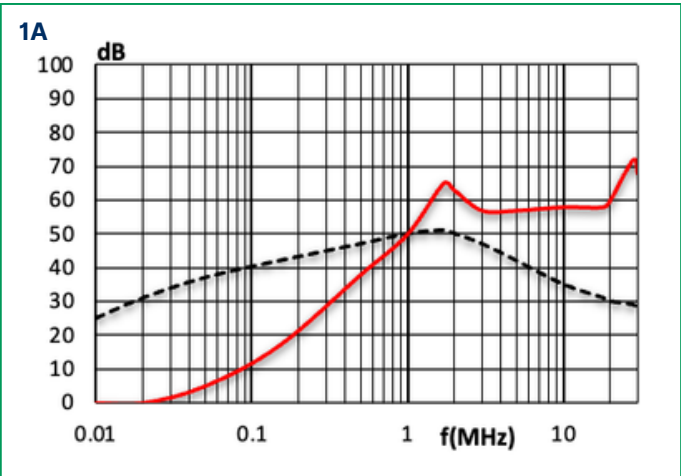
Insertion Loss : High Performance

..... Common mode — Differential Mode
Per CISPR 17; C=50Ω/50Ω D=50Ω/50Ω

Standard Version

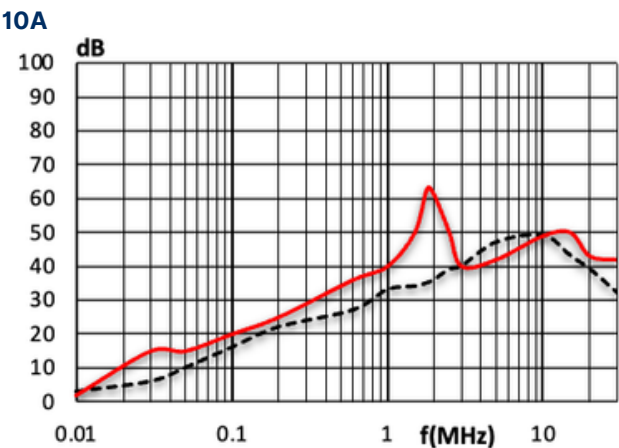
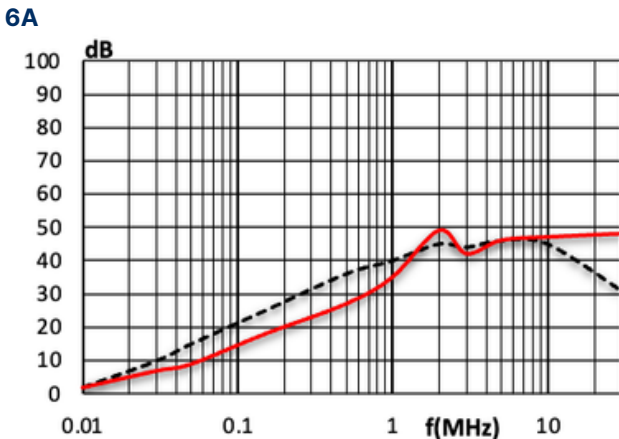
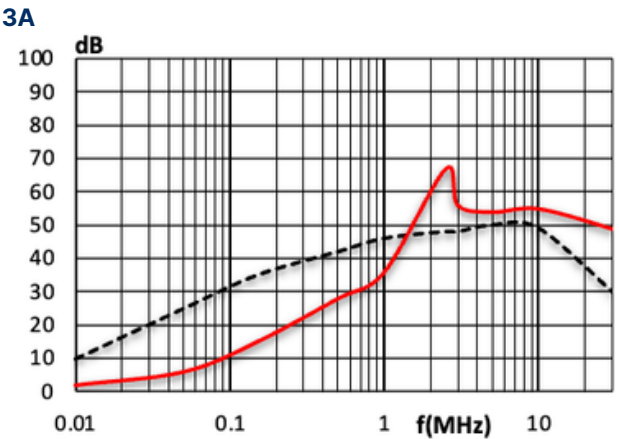
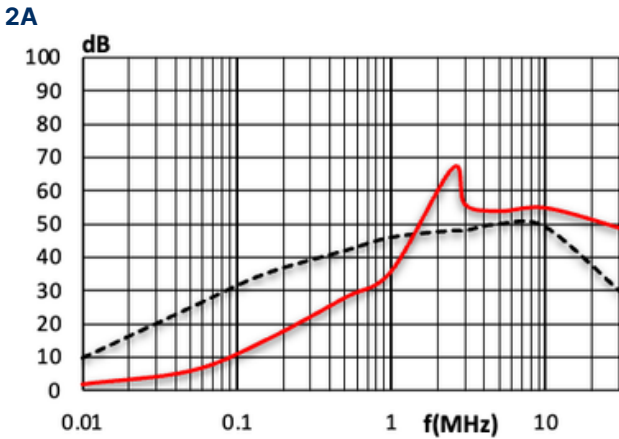
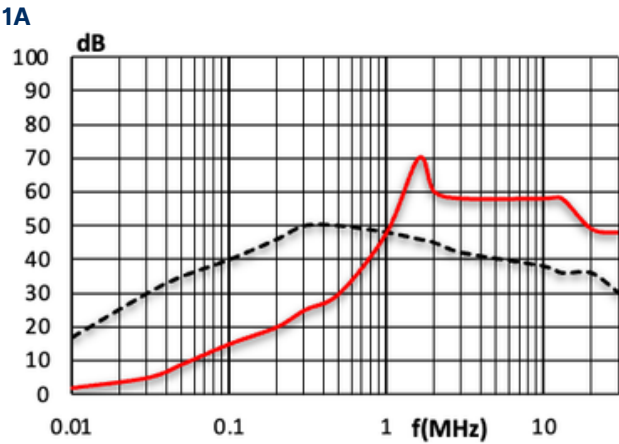


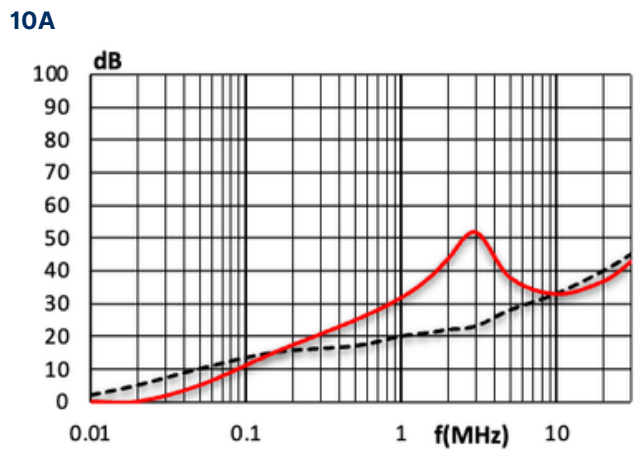
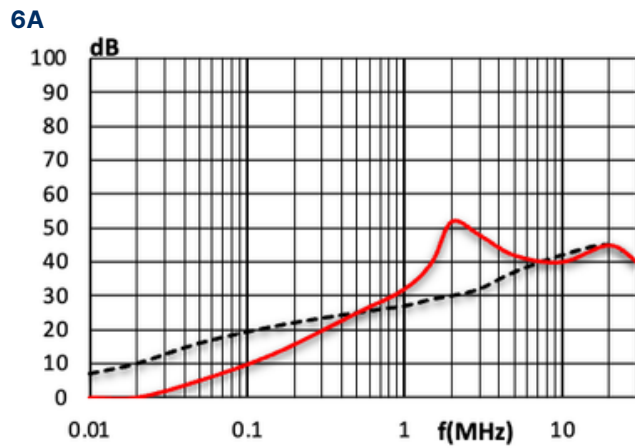
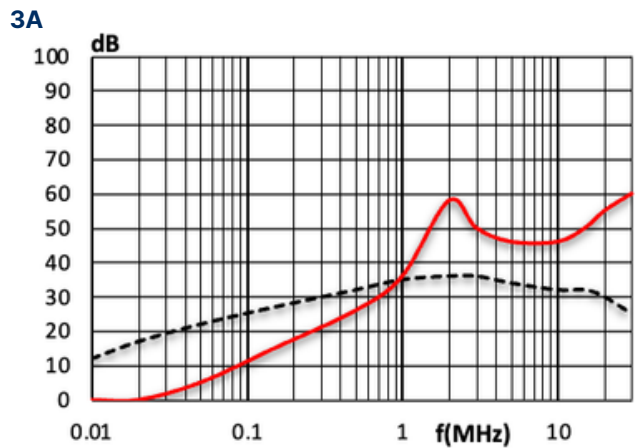
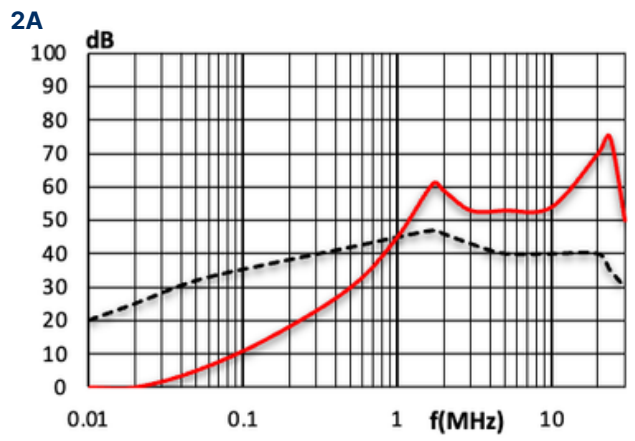
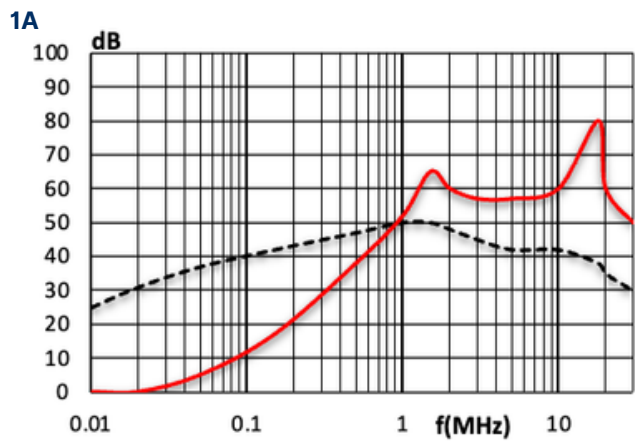


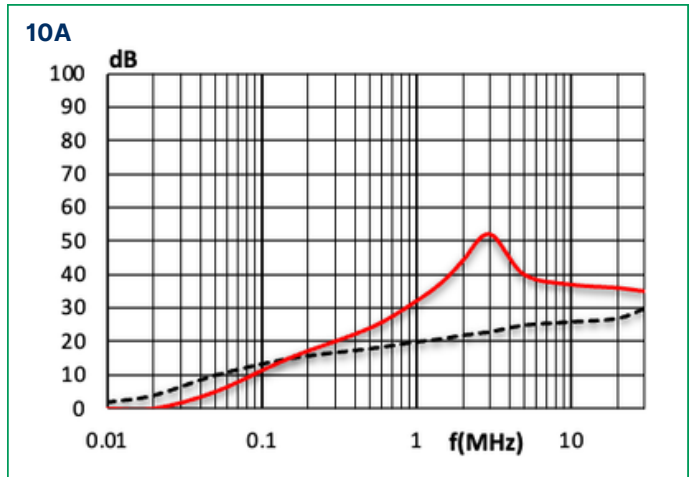
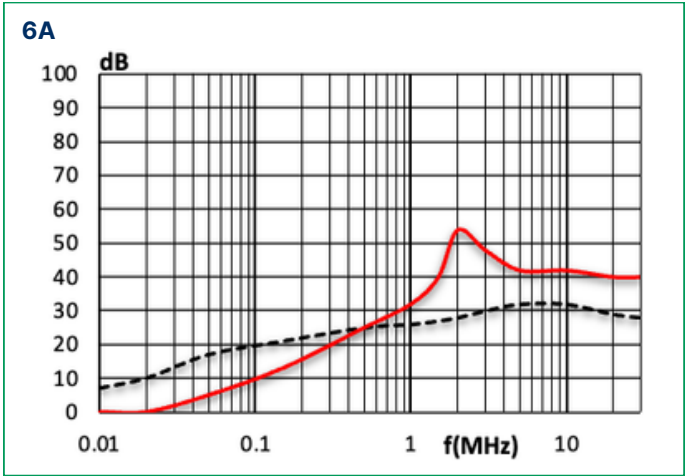
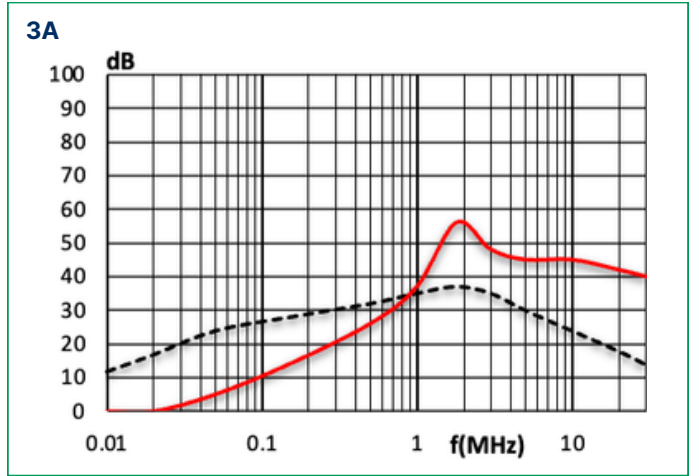
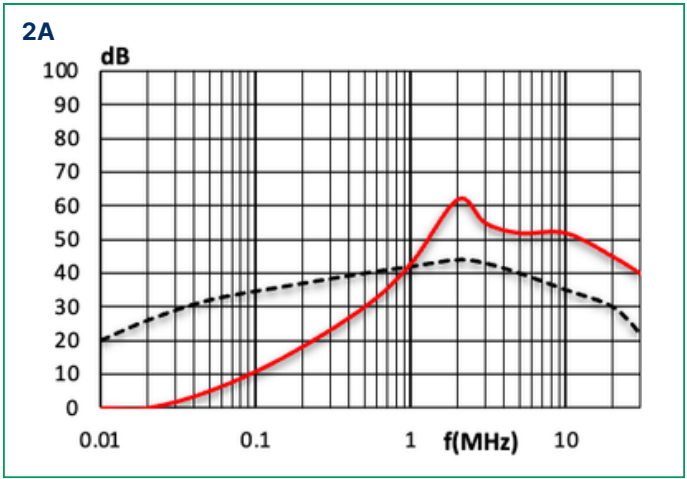
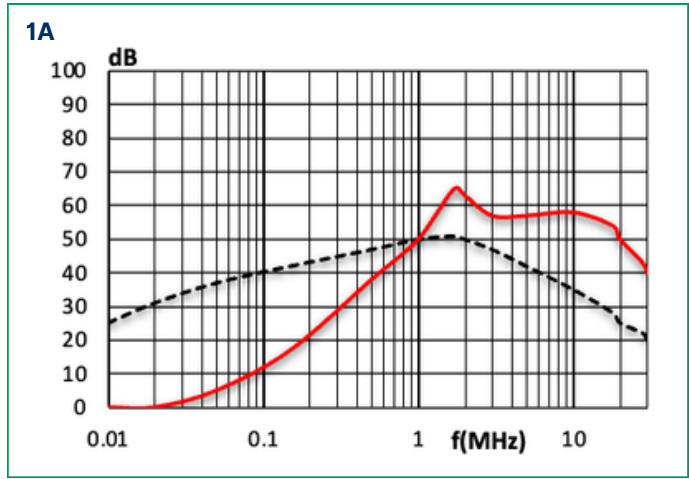


Insertion Loss: Very High Performance

Standard Version

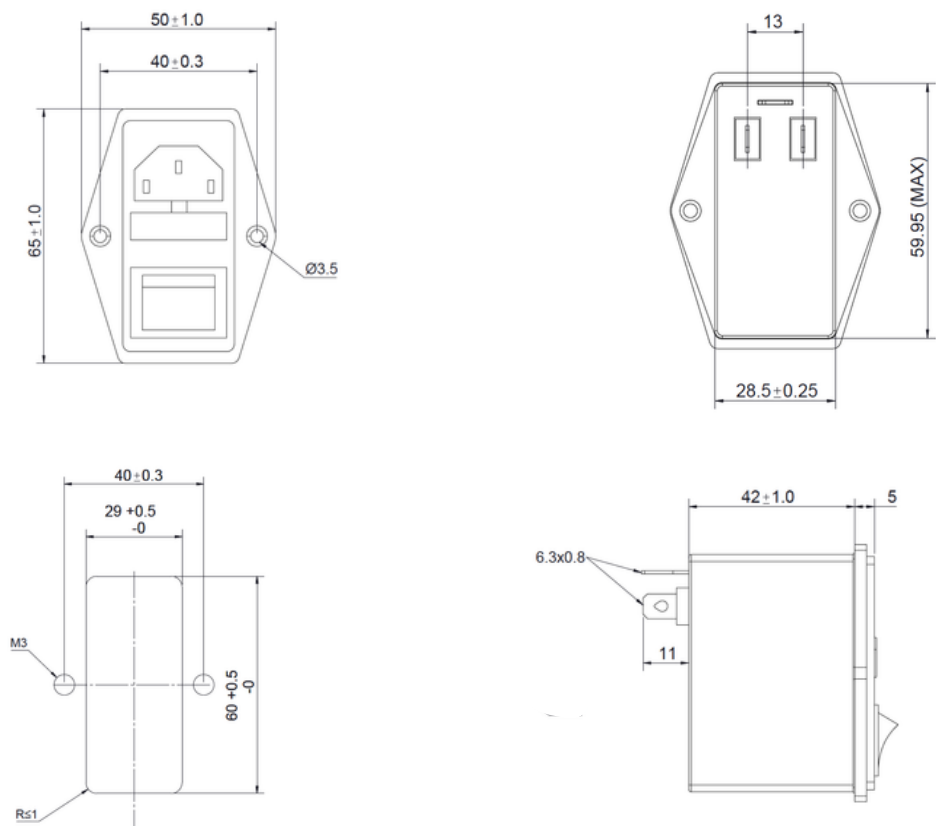






Mechanical Drawing:

Screw Mount 1A to 10A



Note: All dimensions in mm, unless otherwise specified, tolerances are in accordance with ISO2768-C.