
**DATASHEET**

# TWO PHASE EMI FILTER – MF422

**Description**

These series range of two phase filters are designed to suppress undesirable electrical disturbances in phase to phase configuration.

**Technical Specifications**

Maximum Continuous Operating Voltage	440VAC
Operating Frequency	50/60Hz
Current ratings	1A to 100A@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	CSA 22.2 No.8-13 and UL 60939-3
Flammability corresponding to	UL 94 V-0
Temperature range	-25°C to +85°C
Climatic Category	25/85/21
Enclosure Material/Finish	CRCA/Nickel Plated – 1A to 40A Aluminium – 50A to 100A

**Approval & Compliance**

**Features**

- Rated Current up to 100A
- Medical Version available
- High Conducted attenuation performance
- Chassis mounting

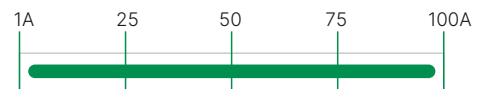
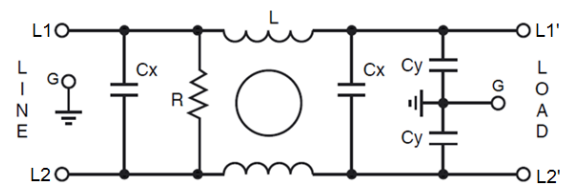
**Applications**

- Power Systems
- Electronic Equipment
- Frequency converters
- Stepper motor drives
- UPS/Inverters



**Performance Indicator**

Standard	High	Very High
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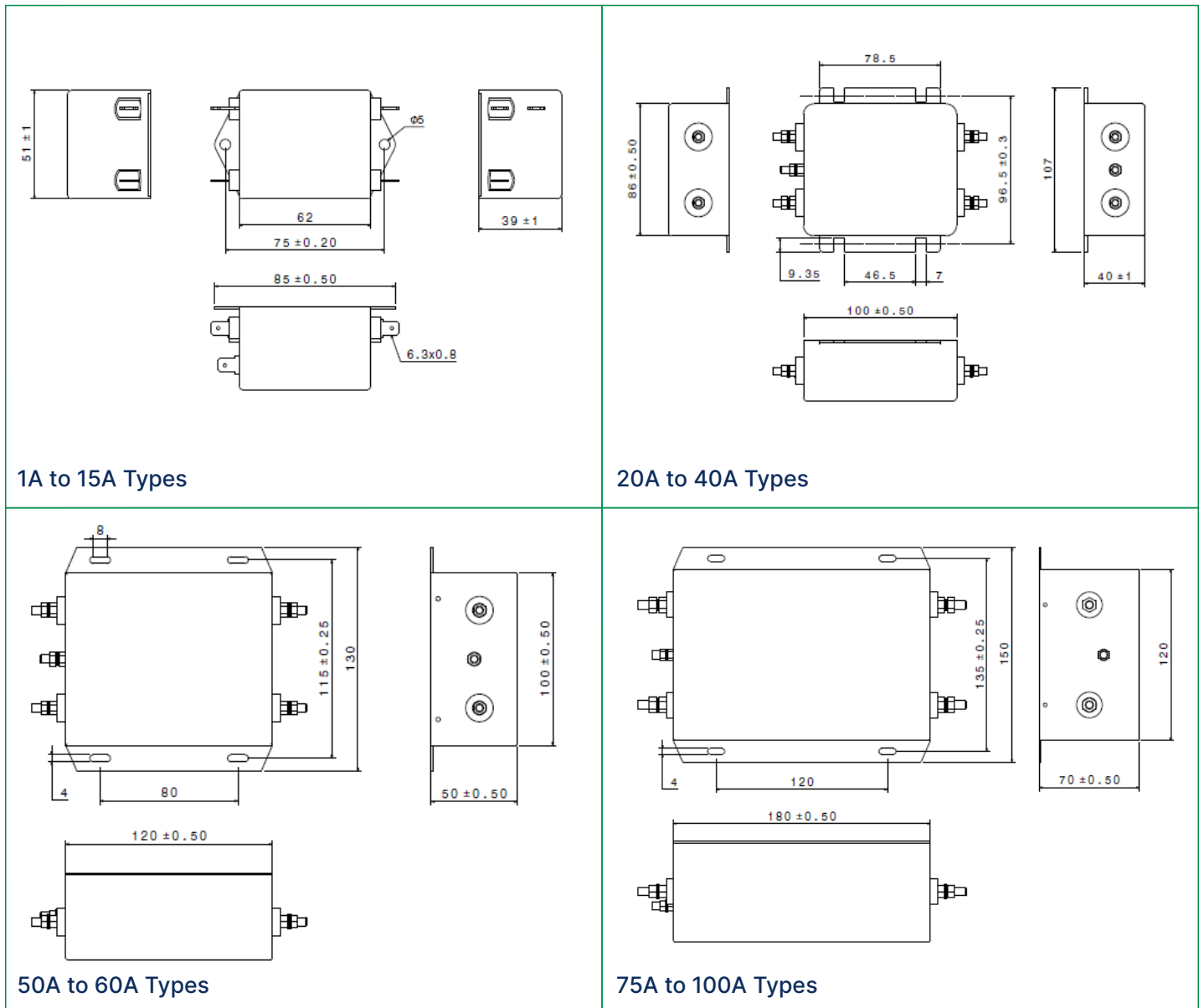
Rated current [A]


**Typical circuit Diagram**


## Ordering Code Information

Part Number	Ordering Code	Rated Current @40°C	Leakage Current @250VAC/50Hz (mA)	Termination		Weight (Kgs)
						
MF 422	E100639-1	1A	0.74	6.3 x 0.8		0.26
MF 422	E100639-2	2A	0.74	6.3 x 0.8		0.26
MF 422	E100639-3	3A	0.74	6.3 x 0.8		0.26
MF 422	E100639-4	6A	0.74	6.3 x 0.8		0.26
MF 422	E100639-5	8A	0.74	6.3 x 0.8		0.26
MF 422	E100639-6	10A	0.74	6.3 x 0.8		0.26
MF 422	E100639-7	15A	0.74	6.3 x 0.8		0.26
MF 422	E100639-8	20A	0.74		M5	0.5
MF 422	E100639-9	25A	0.8		M5	0.5
MF 422	E100639-10	30A	0.8		M5	0.5
MF 422	E100639-11	40A	0.8		M5	0.5
MF 422	E100639-12	50A	0.8		M6	1
MF 422	E100639-13	60A	0.8		M6	1
MF 422	E100639-14	75A	0.8		M8	3
MF 422	E100639-15	80A	0.8		M8	3
MF 422	E100639-16	100A	0.8		M10	3

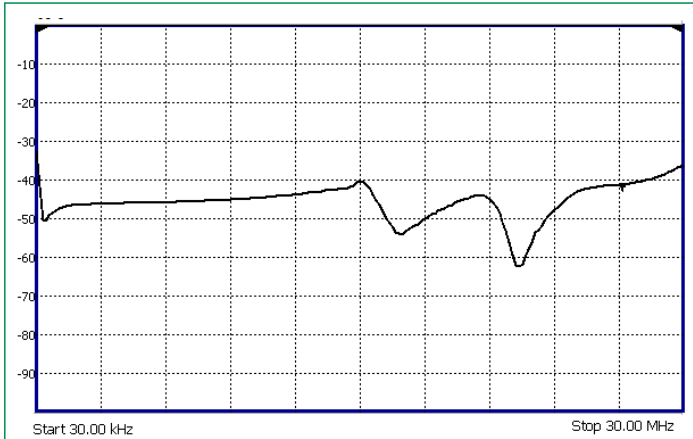
## Mechanical Drawing



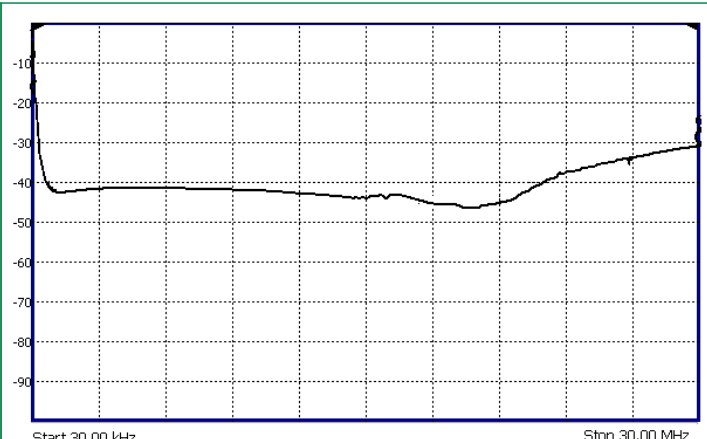
Thread Size	M5	M6	M8	M10
Recommended Torque (Nm)	2	2.5 - 3	3.5 - 6	4 - 10

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

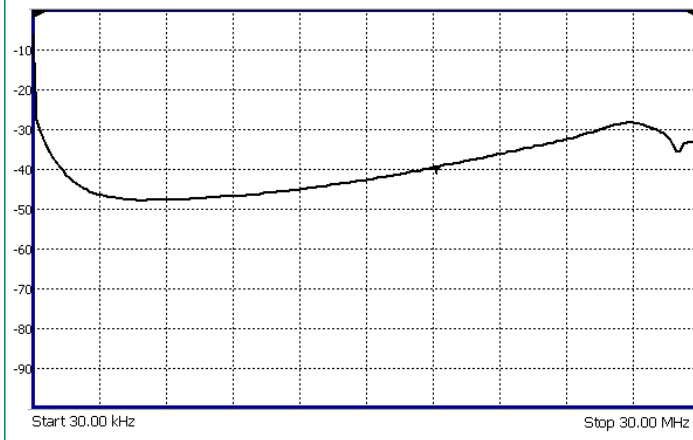
# Insertion Loss – (Common Mode)



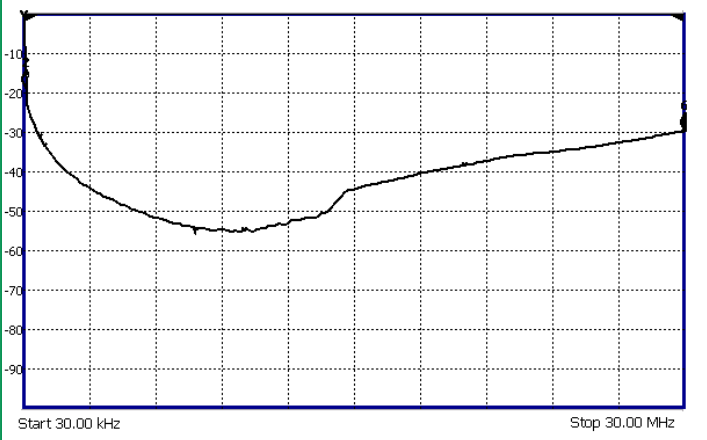
1A



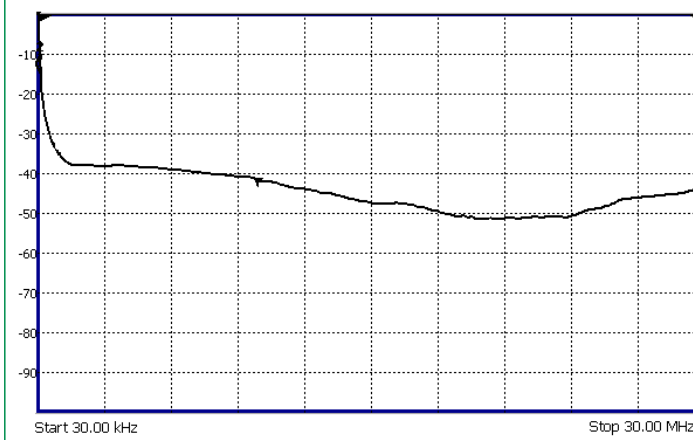
2A



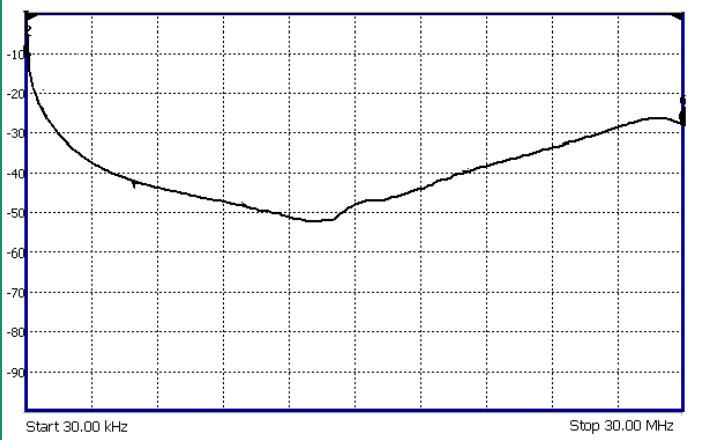
3A



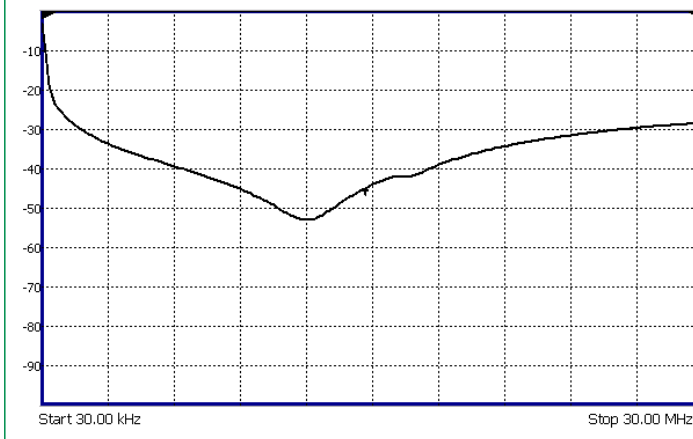
6A



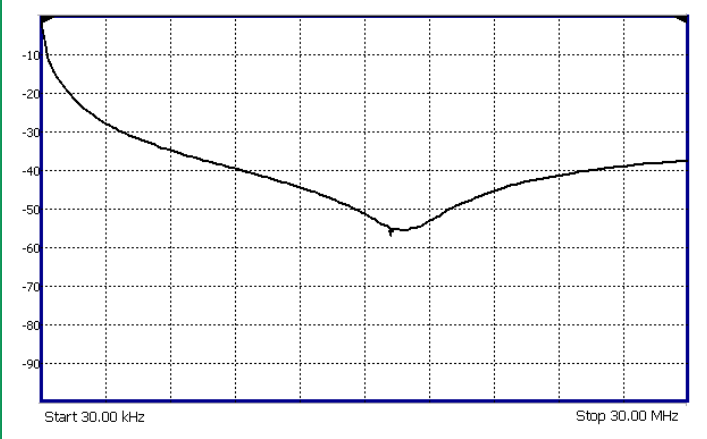
8A



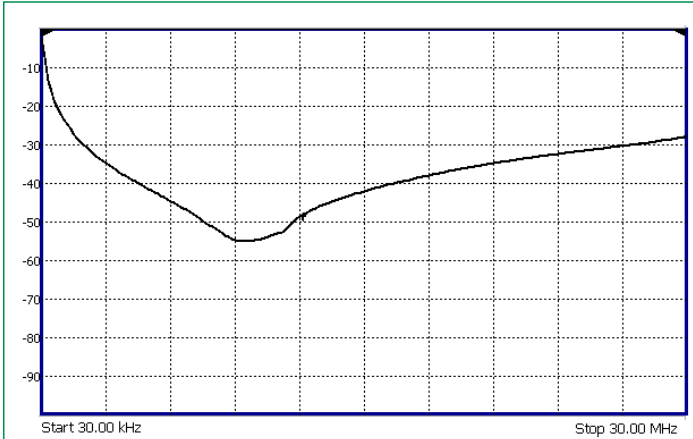
10A



15A



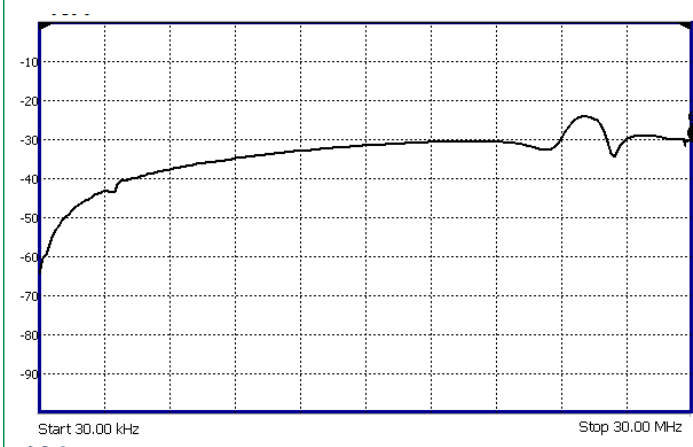
20A



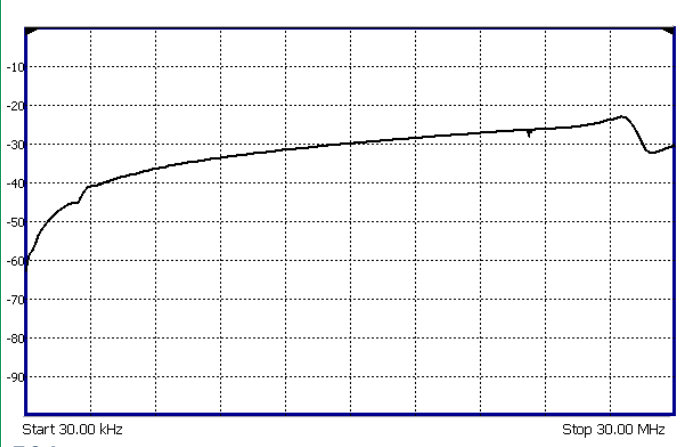
25A



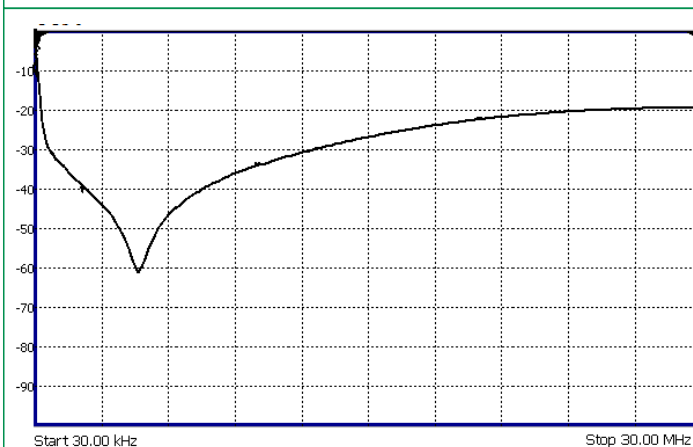
30A



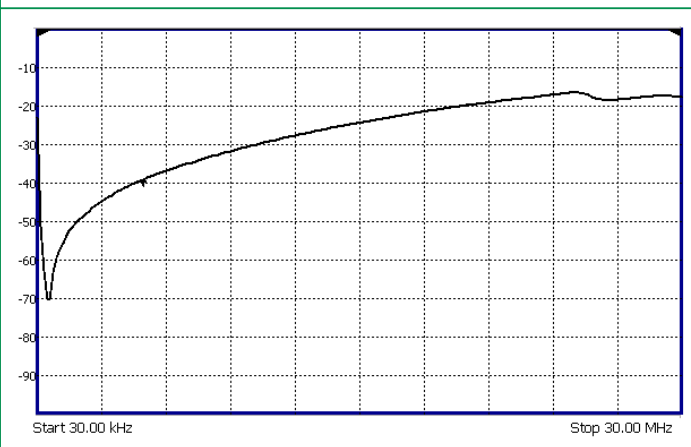
40A



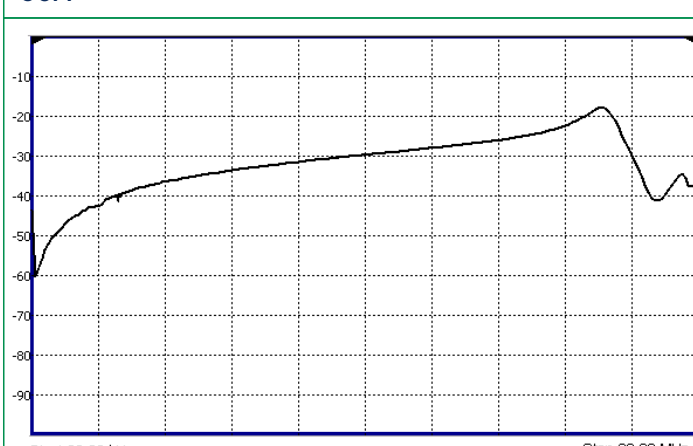
50A



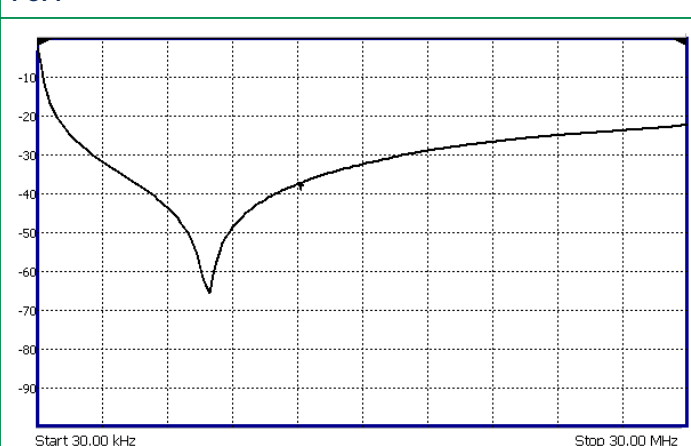
60A



75A



80A



100A