

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.

Features

- Compact
- Superior Performance
- Chassis mounting 3 Phase Filter

Applications

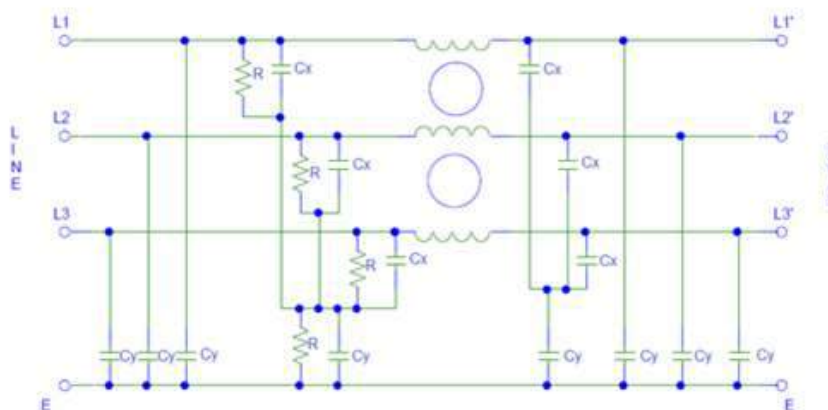
- CNC Machines
- Drives
- Convertors
- Rectifier
- HVAC



Approvals & Compliance



Typical circuit Diagram





Technical Specifications

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60Hz
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 IEC 60939
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

Image shown above is just for reference

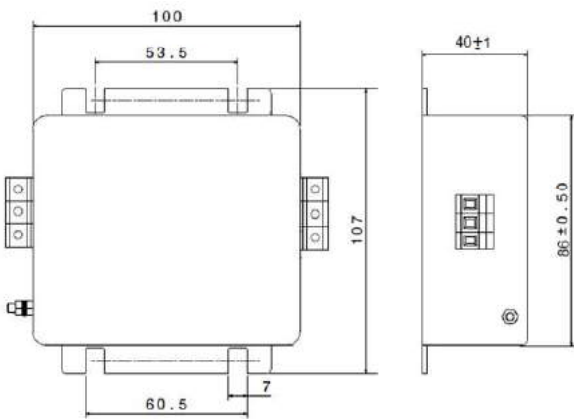
Selection Table

Part Number	Ordering Code (For 440VAC)	Ordering Code (For 520VAC)	Rated Current @40°C	Termination		Weight (Kgs)
						
MF423 3 2D	S32D000003C	S32D520003C	3A*	41		0.5
MF423 3 2D	S32D000006C	S32D520006C	6A	41		0.7
MF423 3 2D	S32D000008C	S32D520008C	8A*	41		2
MF423 3 2D	S32D000010C	S32D520010C	10A*	41		2
MF423 3 2D	S32D000015C	S32D520015C	15A*	41		3
MF423 3 2D	S32D000016C	S32D520016C	16A	41		3
MF423 3 2D	S32D000020C	S32D520020C	20A*	41		3
MF423 3 2D	S32D000025C	S32D520025C	25A	41		3
MF423 3 2D	S32D000036C	S32D520036C	36A	10		3
MF423 3 2D	S32D000050C	S32D520050C	50A	10		3
MF423 3 2D	S32D000060C	S32D520060C	60A	16		8
MF423 3 2D	S32D000075C	S32D520075C	75A	16		8
MF423 3 2D	S32D000080C	S32D520080C	80A*	25		8
MF423 3 2D	S32D000100C	S32D520100C	100A*	25		8
MF423 3 2D	S32D000125N	S32D520125N	125A		M10	8
MF423 3 2D	S32D000150N	S32D520150N	150A*		M10	8
MF423 3 2D	S32D000160N	S32D520160N	160A		M10	10
MF423 3 2D	S32D000200N	S32D520200N	200A		M10	10
MF423 3 2D	S32D000250N	S32D520250N	250A		M10	10

Note: * not covered under NEMKO

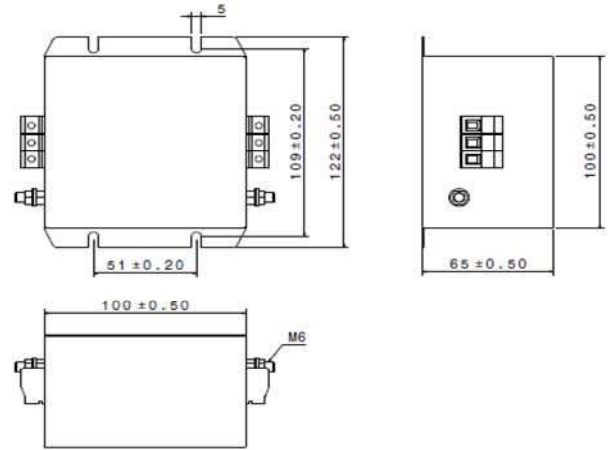
Filters with 520VAC are not covered under NEMKO

3A Type



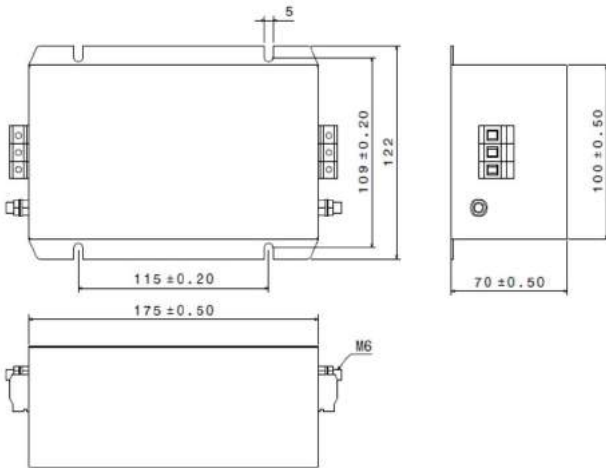
Material / Finish : CRCA / Nickel Plating

6A Type



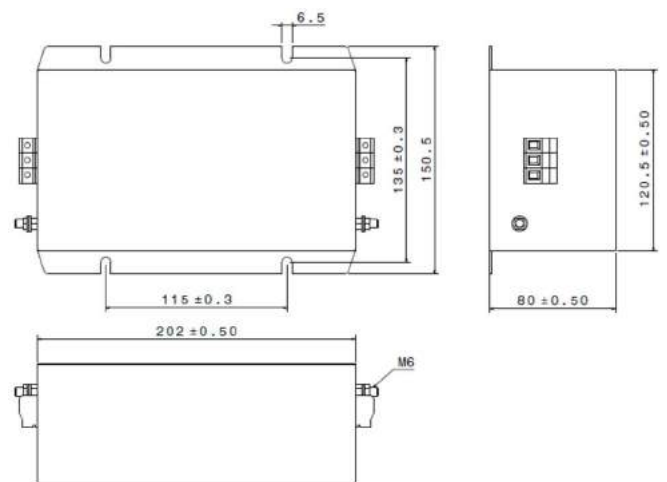
Material : Aluminium

8 to 10A Type



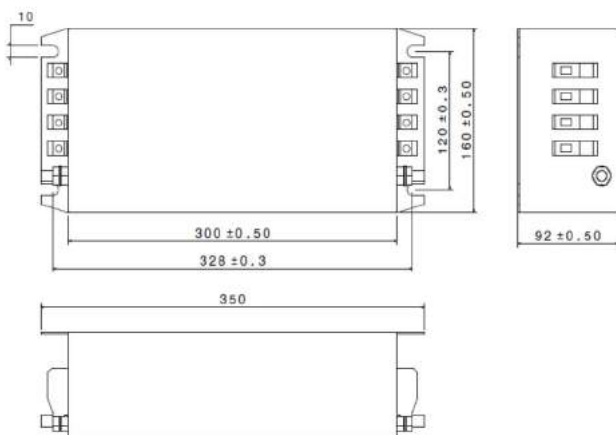
Material : Aluminium

15A to 50A Types



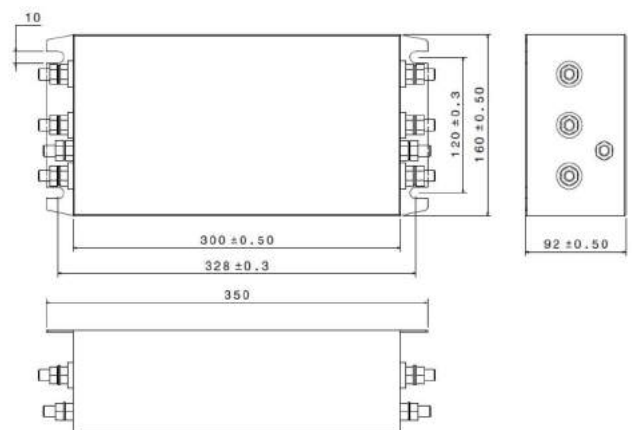
Material : Aluminium

60A to 100A Types



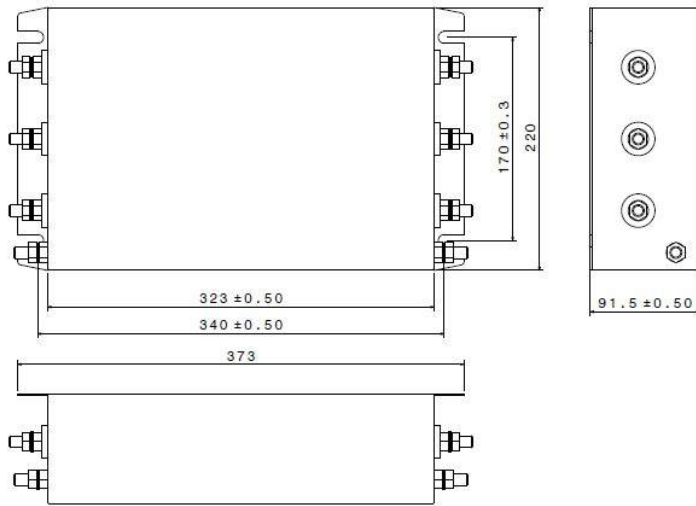
Material : Aluminium

125A to 150A Types




Material : Aluminium

160A to 250A Types



Material : Aluminium

Connectors Cross Sections

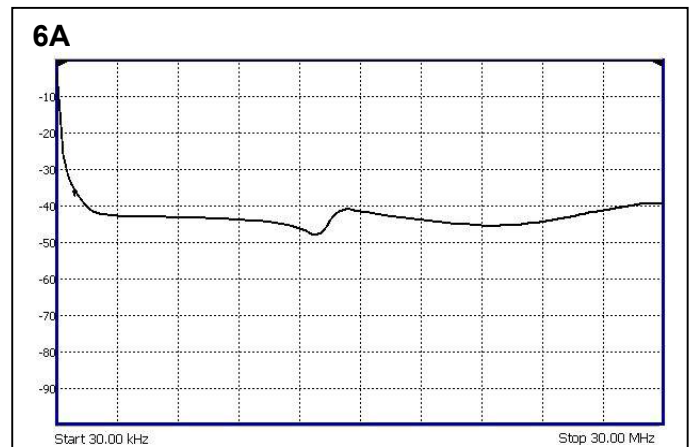
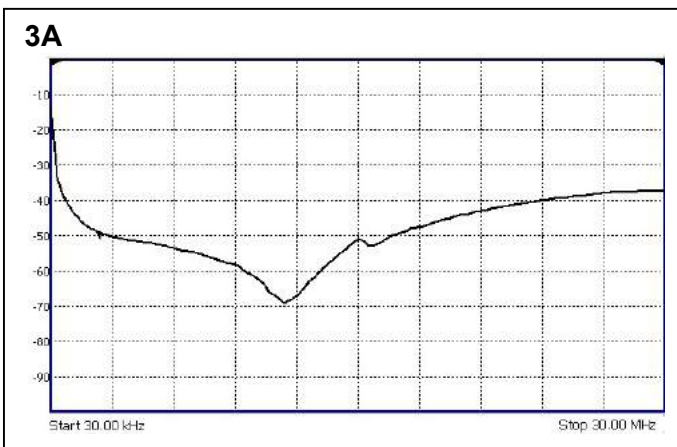
	41	10	16	25
Wire Section (mm ²)	4mm ²	10 mm ²	16 mm ²	25 mm ²
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG
Wire Stripping	Max 10mm	max 13.5 mm	max 17 mm	max 17 mm
Max Recommended Torque	0.5 Nm / 4.5 in. lbs	1.2 Nm / 10.8 in.lbs	2÷2.2 Nm / 18÷19.8 in.lbs	2 Nm / 18 in.lbs

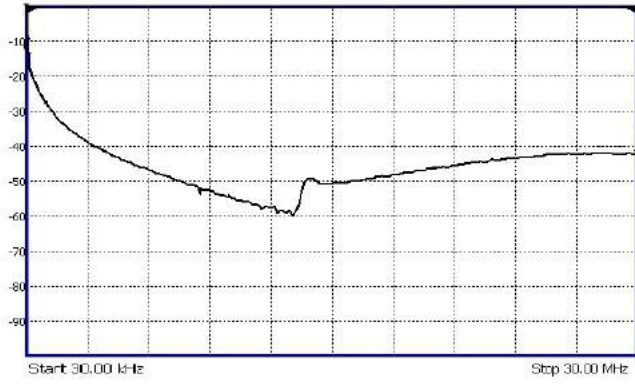
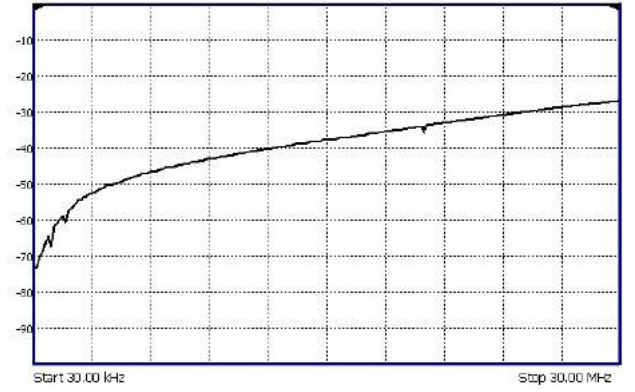
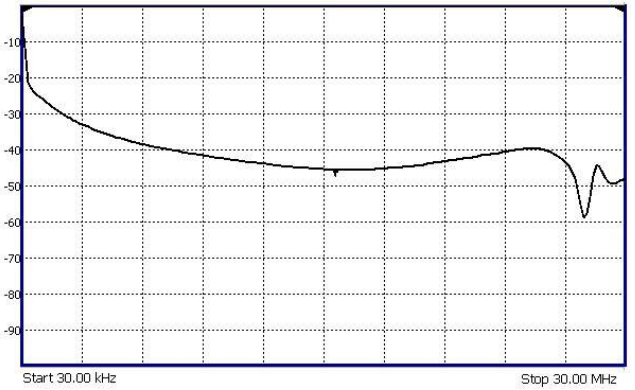
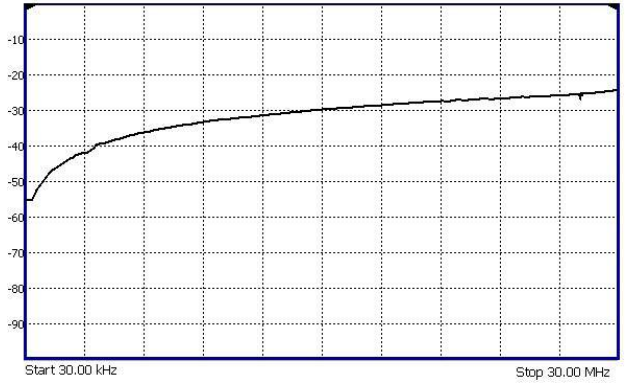
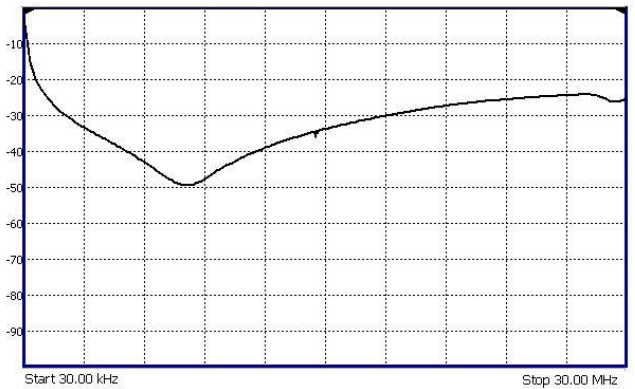
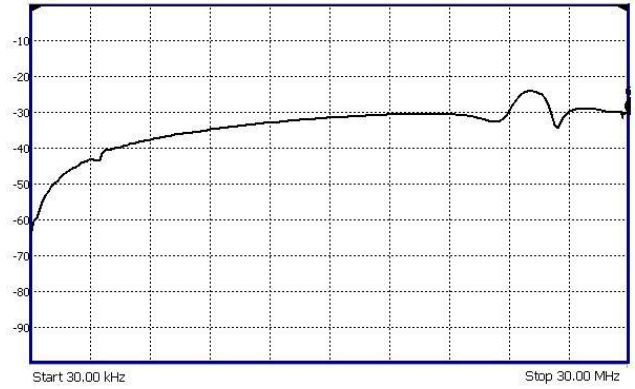
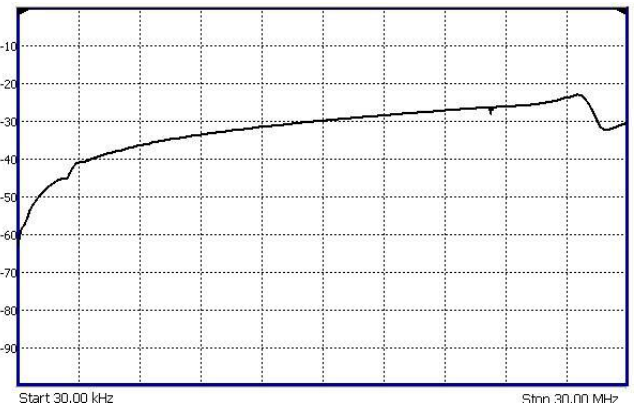
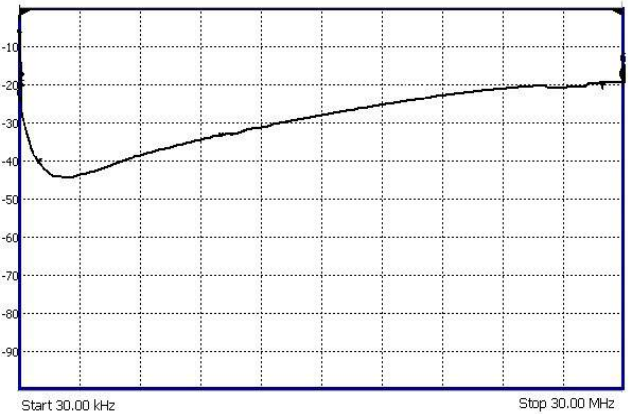
For Screw Type Connections

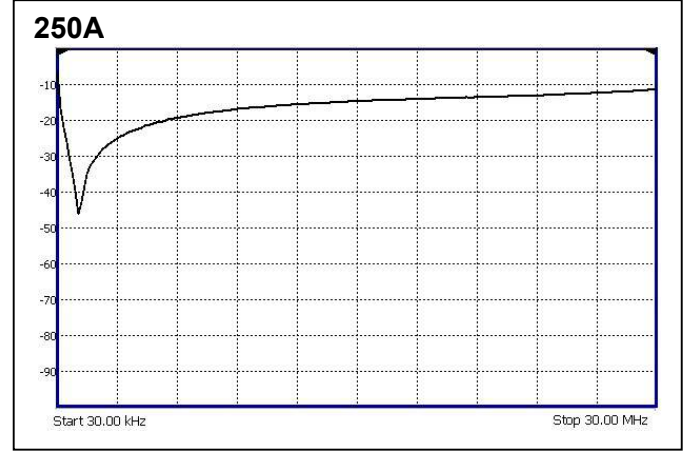
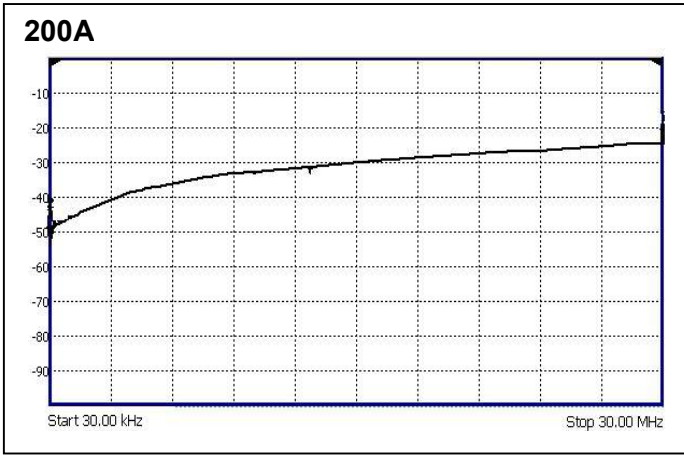
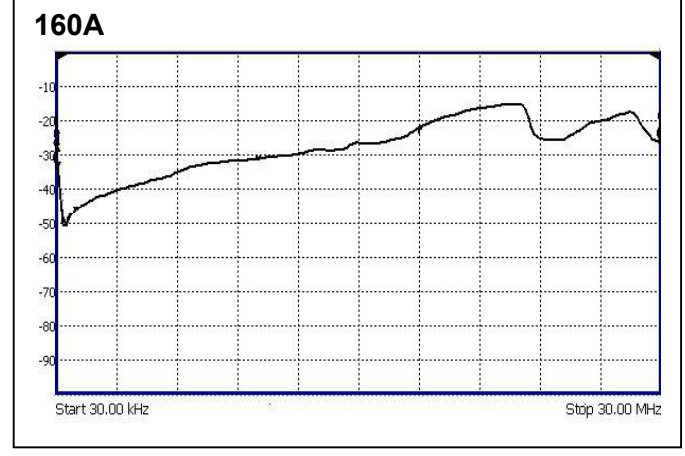
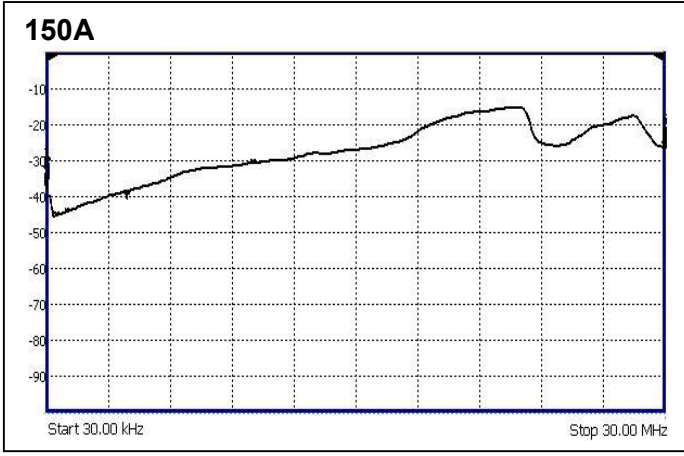
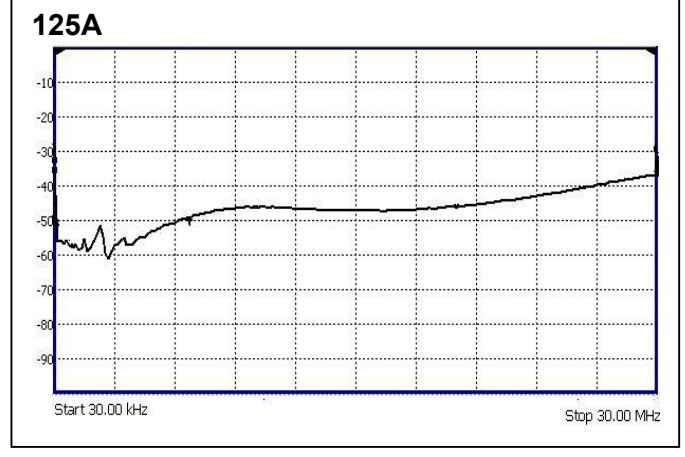
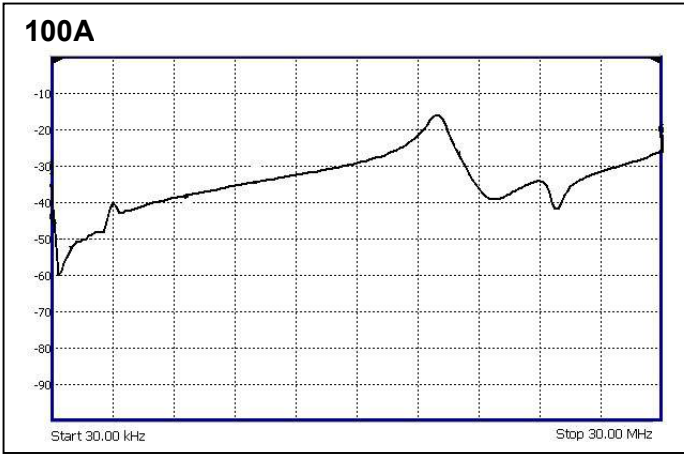
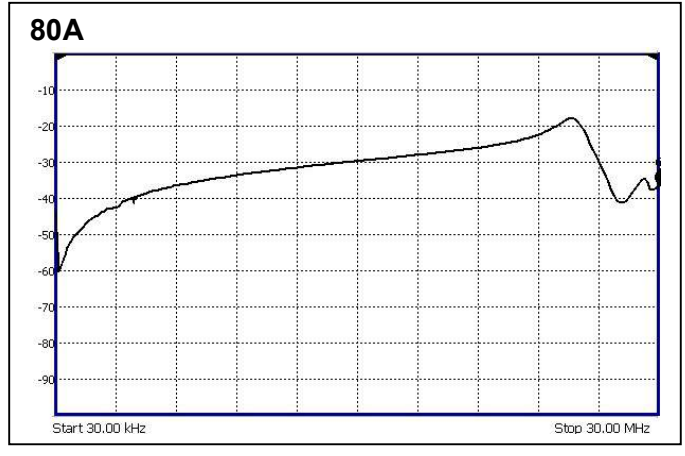
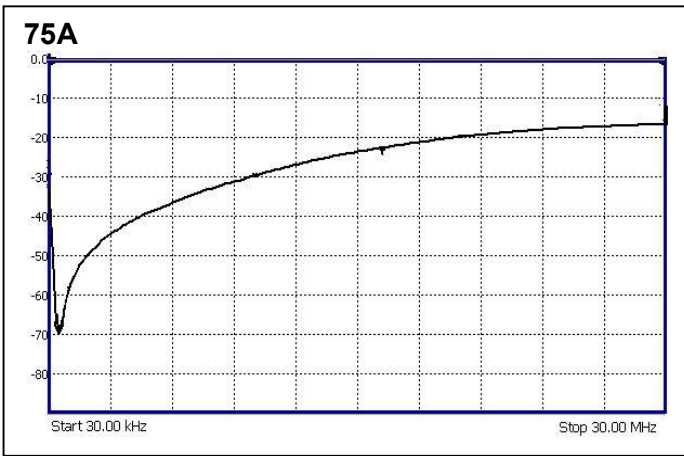
Thread Size	M10
Recommended Torque (Nm)	4-10

All dimensions in mm; Tolerances according: ISO2768-m

Insertion Loss – (Common mode)



8A**10A****15A/16A****20A****25A****36A****50A****60A**



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