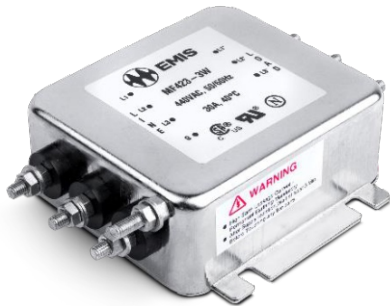




DATASHEET

THREE PHASE EMI FILTER - MF423 3W

Description

These series range of three phase General Purpose filters are designed to use in wide range of applications. They reduce Electromagnetic interference and helps in maintaining compliance with emission standards.

Technical Specifications

Maximum Continuous operating voltage	440/520VAC
Operating Frequency	50/60 Hz
Current ratings	1A to 150A @ 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

Approvals & Compliance



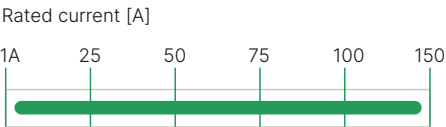
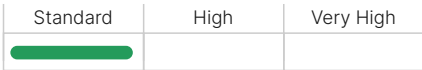
Features

- General Purpose
- Compact
- Standard Attenuation Performance
- Chassis mounting 3 Phase Filter

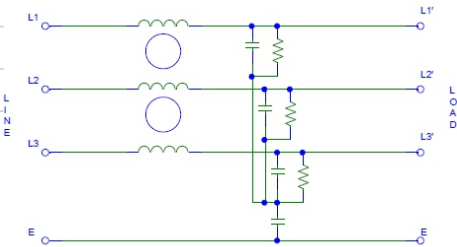
Applications

- CNC Machines
- Electronic Equipment
- Convertors
- Rectifier
- UPS/Inverters

Performance Indicators



Typical Circuit Diagram



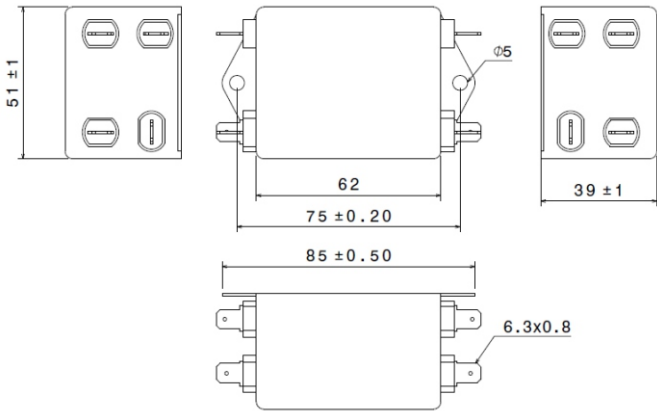
Ordering Code Information

Part Number	Ordering code (for 440VAC)	Ordering code (for 520VAC)	Rated Current @40°C	Termination			Weight (Kg)
							
MF 423 3W	E100042-2	E100768-2	1A	6.3 X 0.8			0.26
MF 423 3W	E100042-3	E100768-3	3A	6.3 X 0.8			0.26
MF 423 3W	E100042-4	E100768-4	6A	6.3 X 0.8			0.26
MF 423 3W	E100042-5	E100768-5	10A	6.3 X 0.8			0.26
MF 423 3W	E100042-6	E100768-6	15A*		M5		0.7
MF 423 3W	E100042-7	E100768-7	16A*		M5		0.7
MF 423 3W	E100042-8	E100768-8	20A*		M5		0.7
MF 423 3W	E100042-9	E100768-9	25A*		M5		0.7
MF 423 3W	E100042-10	E100768-10	26A*		M5		0.7
MF 423 3W	E100042-11	E100768-11	30A*		M5		0.7
MF 423 3W	E100042-12	E100768-12	32A*		M5		0.7
MF 423 3W	E100042-13	E100768-13	40A*		M5		0.7
MF 423 3W	E100042-14	E100768-14	50A*		M6		1.2
MF 423 3W	E100042-15	E100768-15	60A*		M6		1.2
MF 423 3W	E100042-16	E100768-16	75A		M8		8
MF 423 3W	E100042-17	E100768-21	75A*			16	8
MF 423 3W	E100042-19	E100768-17	80A*		M8		8
MF 423 3W	E100042-18	E100768-22	80A*			25	8
MF 423 3W	E100042-21	E100768-18	100A*		M10		8
MF 423 3W	E100042-20	E100768-23	100A*			25	8
MF 423 3W	E100042-23	E100768-19	125A*		M10		8
MF 423 3W	E100042-25	E100768-20	150A*		M10		8

*Not covered under NEMKO
Filters with 520VAC are not covered under NEMKO.

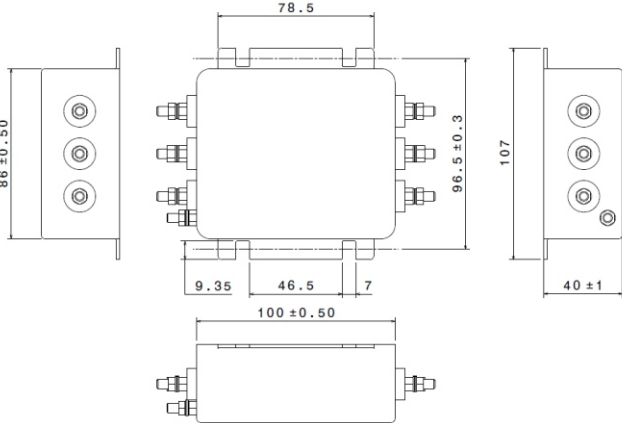
Mechanical Drawing

1A to 10A Types

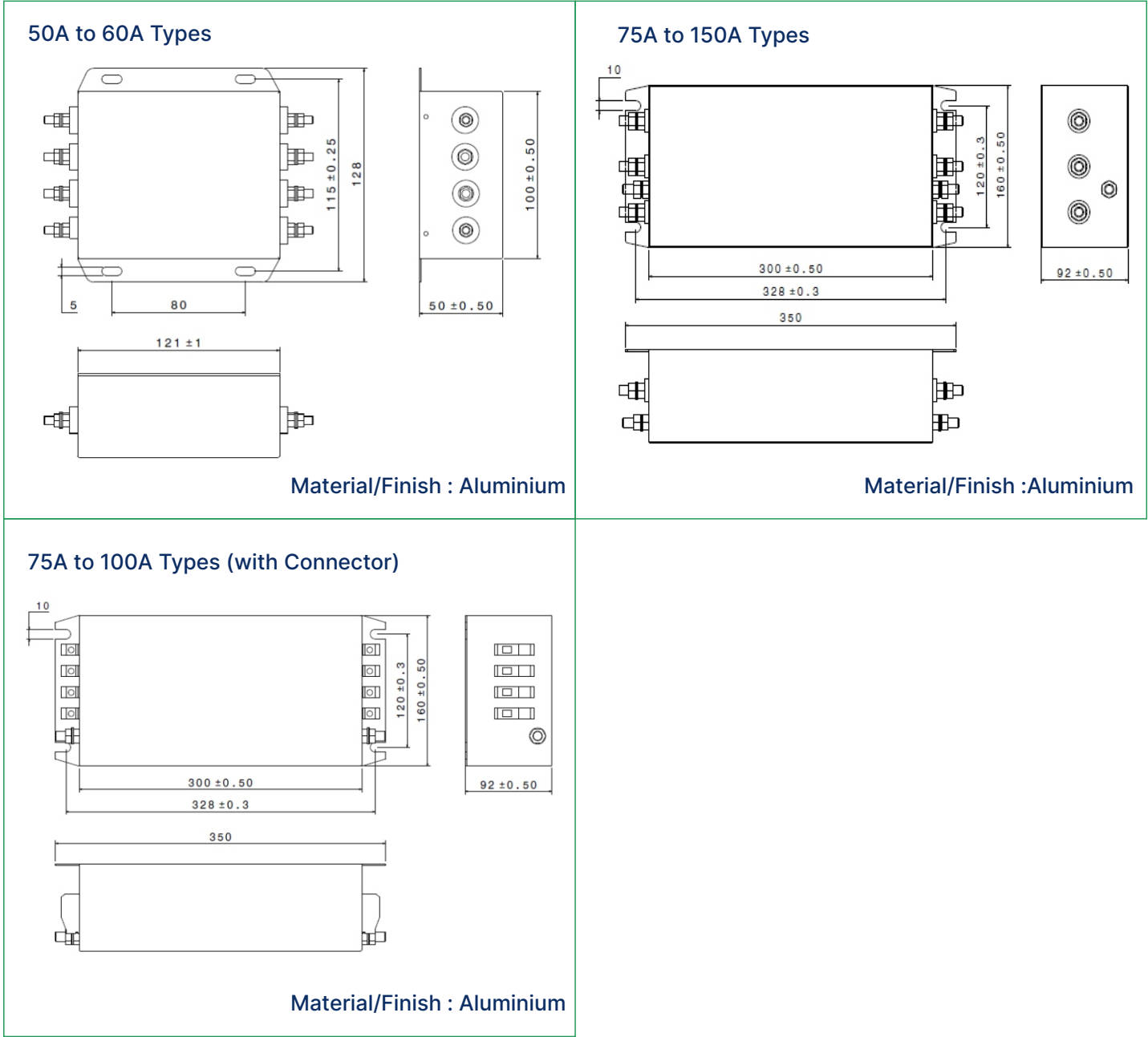


Material/Finish : CRCA/Nickel Plating

15A to 40A Types



Material/Finish : CRCA/Nickel Plating



All dimensions in mm; Tolerances according to ISO2768-m

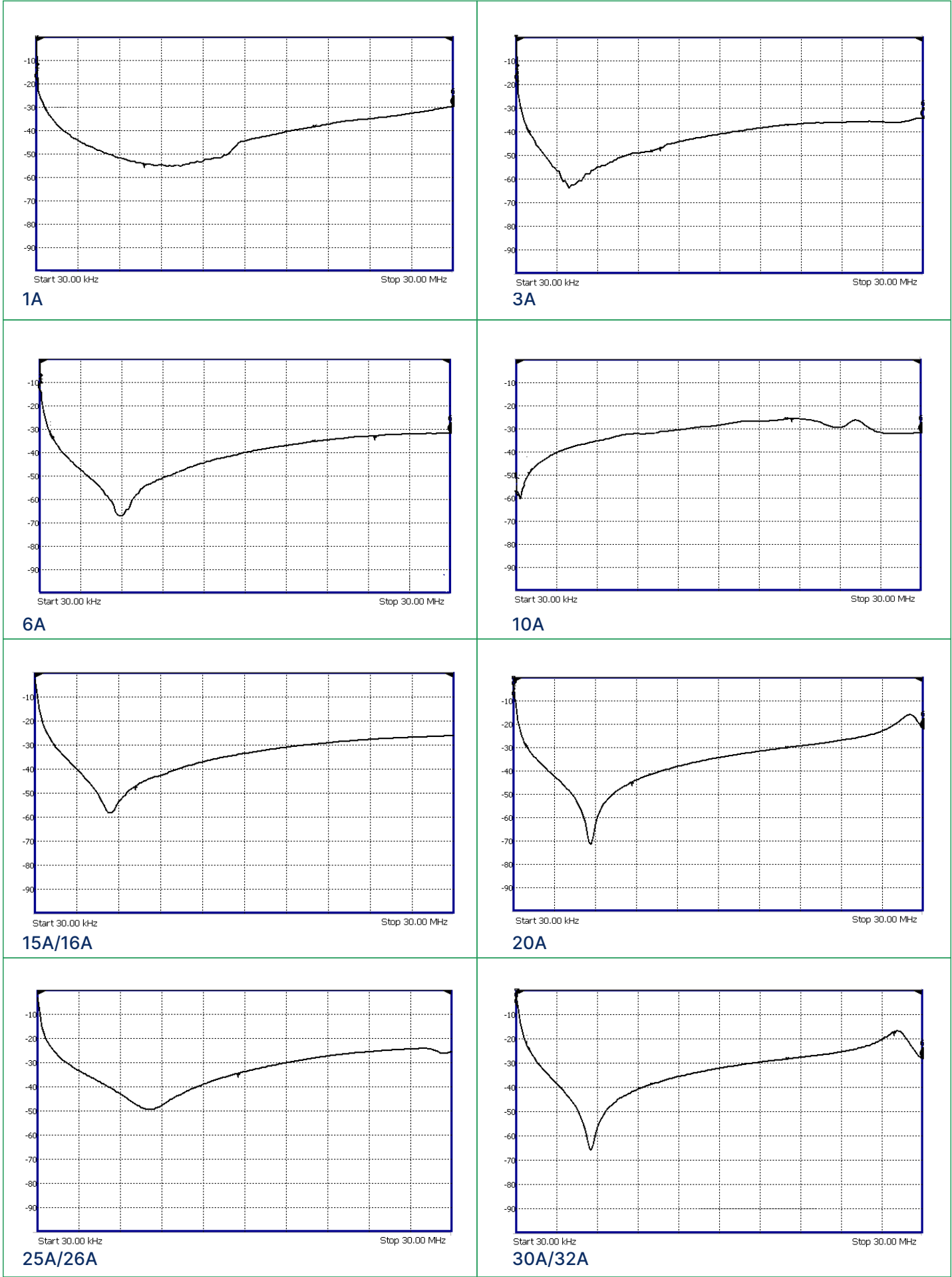
Connectors Cross Sections

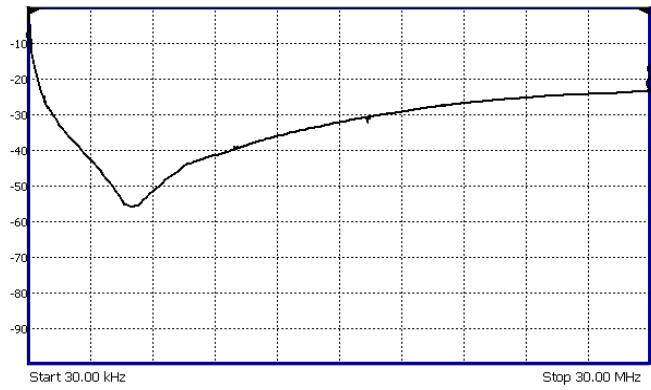
	16	25
Wire Section (mm²)	16mm²	25mm²
Wire Section (AWG)	6 AWG	4 AWG
Wire Stripping	Max 17mm	Max 17mm
Max Recommended Torque	2÷2.2 Nm / 18÷19.8 in.lbs	2 Nm / 18 in.lbs

For Screw Type Connections

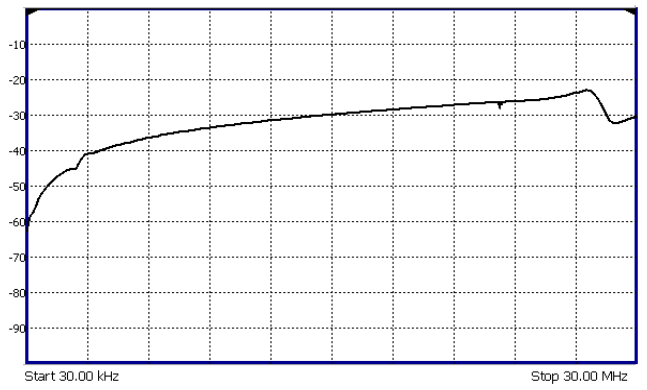
Thread Size	M5	M6	M8	M10
Recommended Torque (Nm)	2	2.5 -3	3.5 - 6	4-10

Insertion Loss - (Common mode)

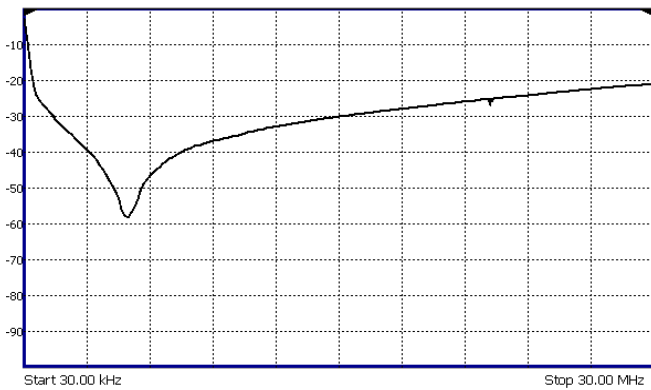




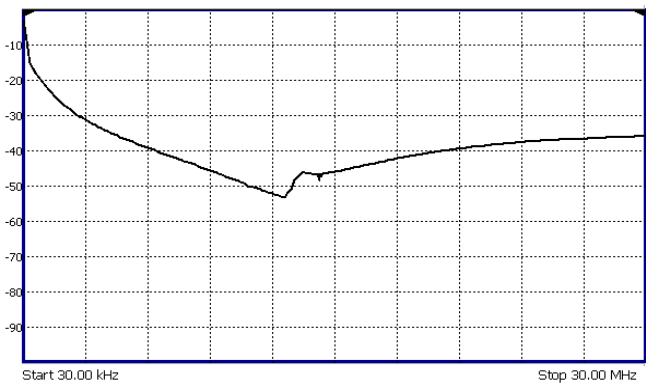
40A



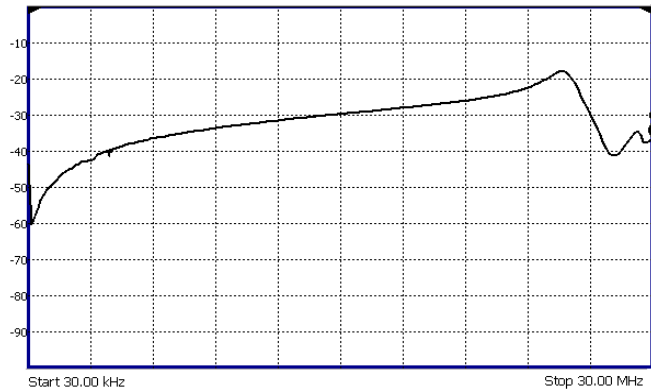
50A



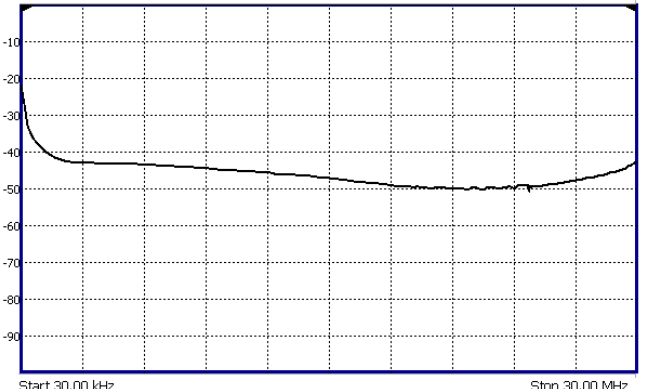
60A



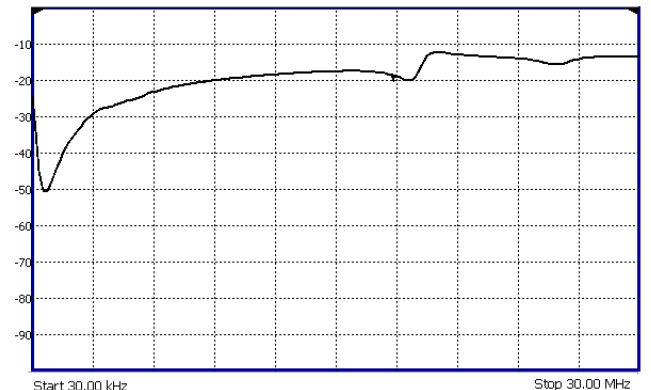
75A



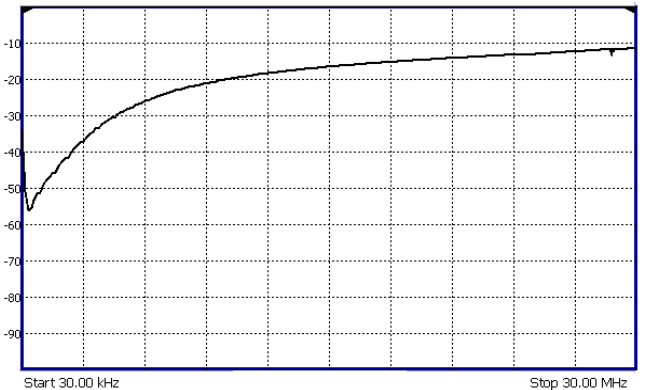
80A



100A



125A



150A