

Single Phase EMI Filter – MF110 Medical Version

Description

These series range of double stage filters give superior performance when used in applications with low Impedance loads controlling pulsed, continuous and intermittent interference noise and where high levels Of mains borne interference are present.

Features

- Double stage filter
- Ultra-low leakage current
- Superior Performance
- Chassis mounting

Applications

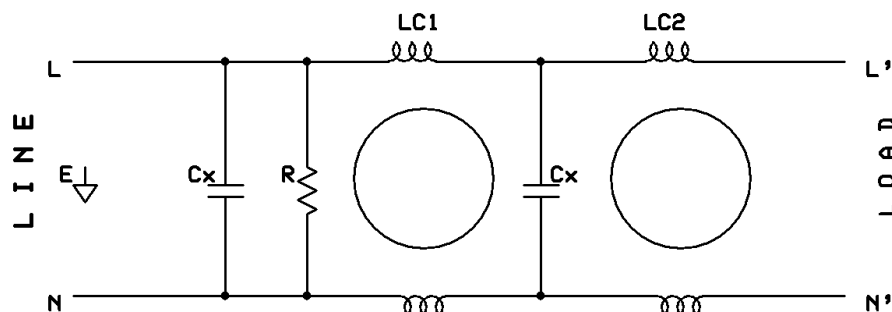
- Medical Equipment
- Diagnostic Equipment
- X-Ray Machines
- Low Leakage Applications



Safety Approval & Compliance



Typical circuit Diagram



Technical Specifications

Maximum Continuous Operating Voltage	: 250VAC
Operating Frequency	: 50/60Hz
Current ratings	: 1A to 100A @40°C
High Potential test voltage	: L to G 2250Vdc for 1 Minute L to L 1450Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL1283, 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

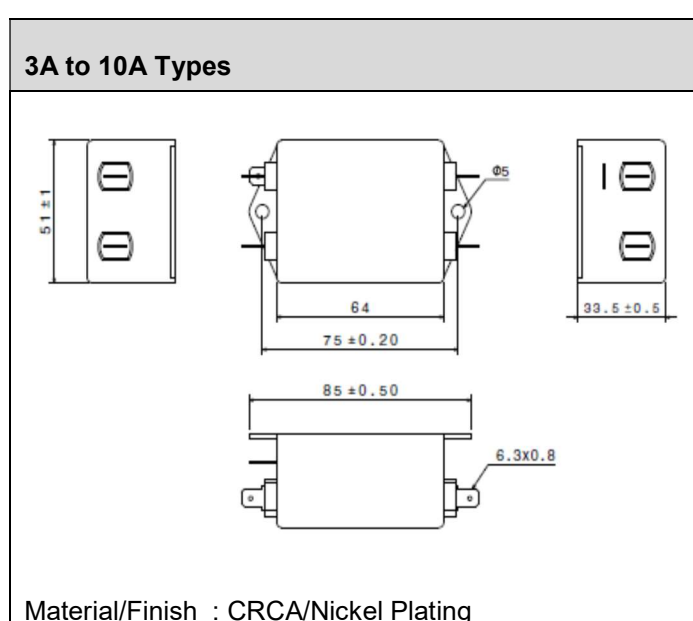
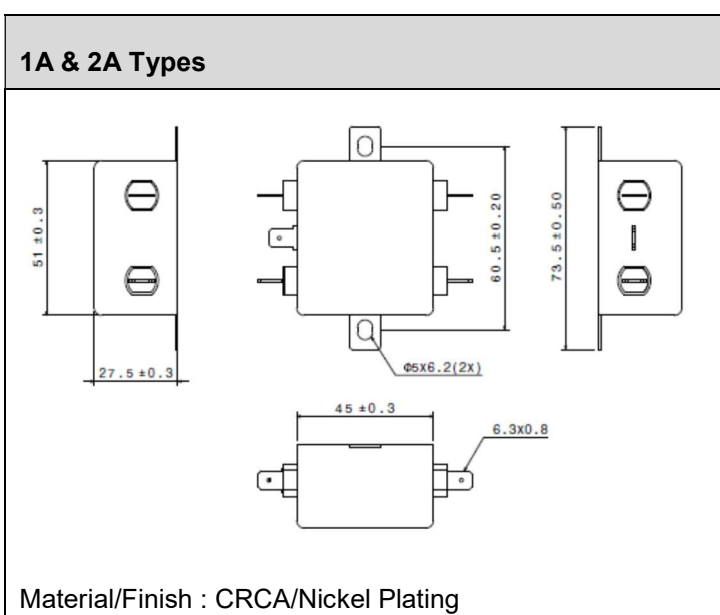
Image shown above is just for reference

Selection Table

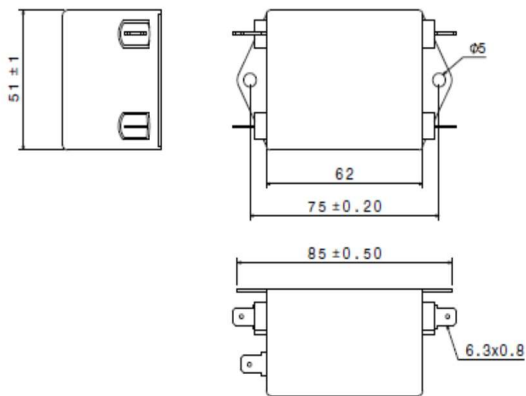
Part Number	Ordering Code	Rated Current @40°C	Leakage Current @250VAC/50Hz (μA)	Termination 		Weight (Kgs)
MF110 – 01	S110000001S	1A	5	6.3 x 0.8		0.125
MF110 – 02	S110000002S	2A	5	6.3 x 0.8		0.125
MF110 – 03	S110000003S	3A	5	6.3 x 0.8		0.17
MF110 - 06	S110000006S	6A	5	6.3 x 0.8		0.17
MF110 - 10	S110000010S	10A	5	6.3 x 0.8		0.17
MF110 - 15	S110000015S	15A	5	6.3 x 0.8		0.26
MF110 - 20	S110000020N	20A	5		M5	0.65
MF110 - 25	S110000025N	25A	5		M5	0.65
MF110 - 30	S110000030N	30A	5		M5	0.65
MF110 - 35	S110000035N	35A	5		M5	1
MF110 - 40	S110000040N	40A	5		M5	1
MF110 - 50	S110000050N	50A	5		M6	2
MF110 - 60	S110000060N	60A	0.73		M6	3.5
MF110 - 100	S110000100N	100A	0.73		M8	3.5

*Customized filters are provided on request.

Mechanical Drawing

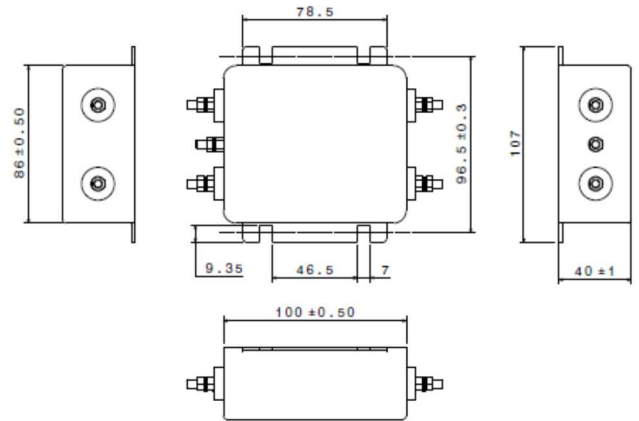


15A Type



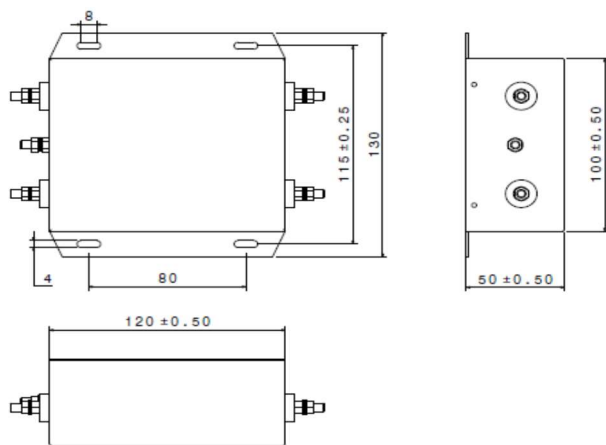
Material/Finish : CRCA/Nickel Plating

20A to 30A Types



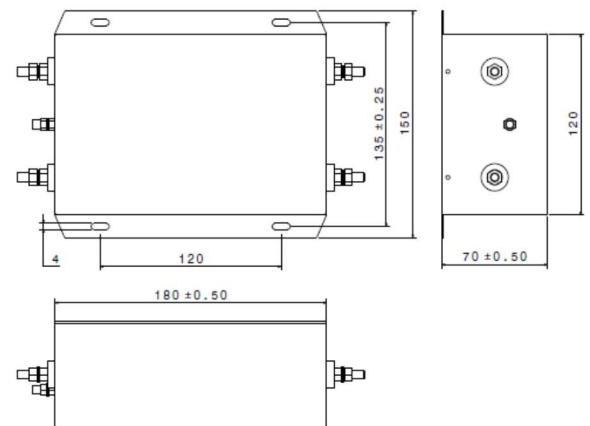
Material/Finish : CRCA/Nickel Plating

35A & 40A Types



Material : Aluminium

50A to 100A Type



Material : Aluminium

Bolt	M5	M6	M8	M10
Recommended Torque (Nm)	2 - 3.0	3.5 - 4.0	10-14	15-17

All dimensions in mm; Tolerances according to ISO2768-m

Insertion Loss – (Common Mode)

