

High Performance AC EMI Filter



*Image shown is for illustrative purpose only

Features and benefits

- | Filters available in double stage
- | All filters provide high attenuation performance.
- | Two stage filters designed for noisy application requiring excellent filter performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | High reliable
- | Chassis mountable filter in fabricated metal can.
- | Aluminium metal casing provides good aesthetic and corrosion protection.

Application

- | Consumer product
- | Defence application
- | Industrial application
- | Automotive application
- | Printing Machinery
- | Electrical equipment application

Conformance



Technical Specifications

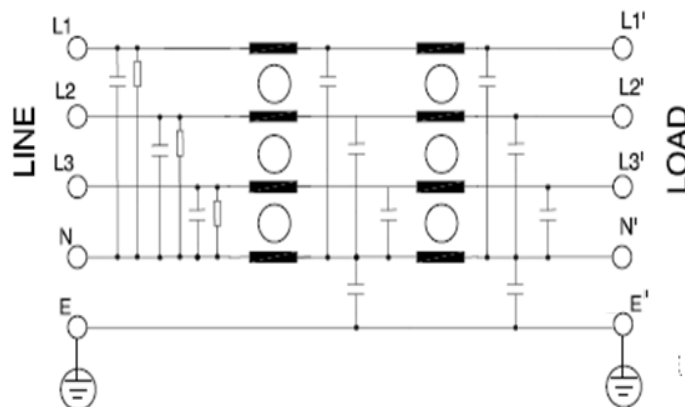
Operating voltage	250(P-N VAC/440(P-P) VAC
Current rating	1A - 40A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Attenuation type

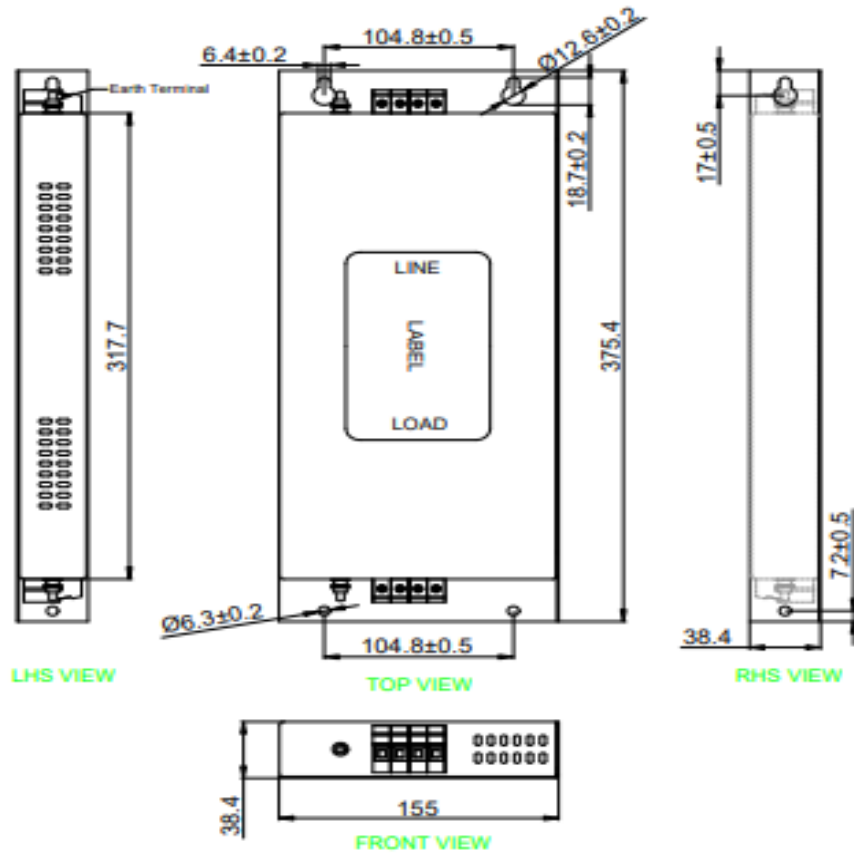
Double Stage

High

Electrical schematic for Double stage filter: CKT 1 –







Mechanical Details



All dimensions in mm
General tolerance = $\pm 2\%$

Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @440VAC	Terminals (X)		Approx. Weight (Kg)	Attenuation
				Touch safe			
1	EF-3P025F24G-C91	25	< 3.5	F		1.5	High
2	EF-3P030F24G-C91	30	< 3.5	F		1.5	High
3	EF-3P040F24G-C91	40	< 3.5	F		1.5	High

Connection Method

Current Rating (A)	Touch safe	Earthing
1A-40A	6 sqmm	M4 screw

Filter attenuation graph

C = Common mode (asymmetrical) —————

D = Differential mode (symmetrical) - - - - -

For general application (Double Stage)

25A,30A & 40A

