

El.italia EC-EC48 serie

General Purpose AC EMI Filter

Conformance



Technical specifications



Operating voltage	440 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

*Image shown is for illustrative purpose only

Features and benefits

- | Filters available in single stage and 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.
- | Aluminum metal casing provides good aesthetic and corrosion protection.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

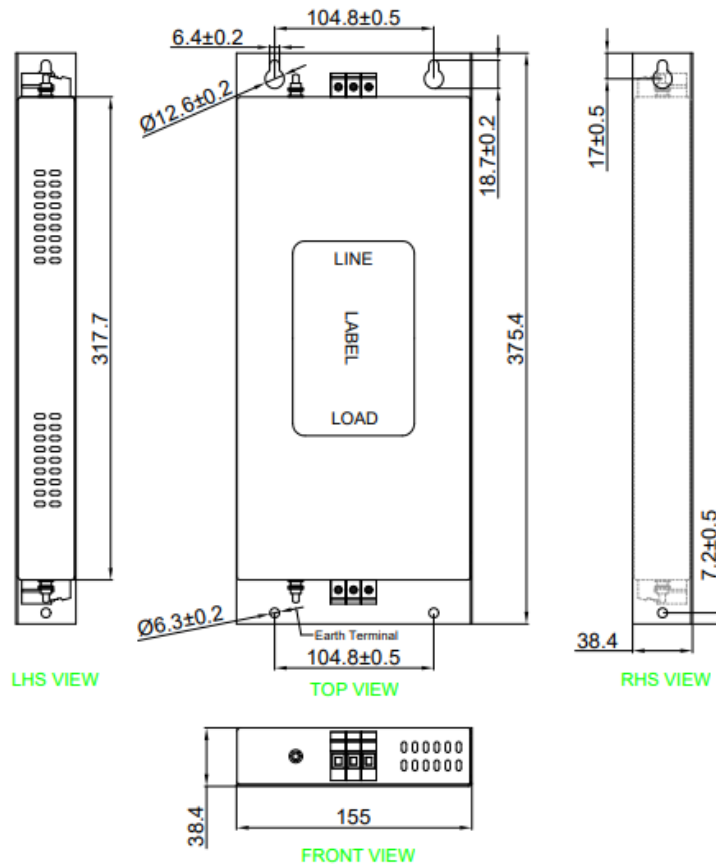
Double Stage

High

Applications

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

Mechanical details



All dimensions in mm
General tolerance = ±2%

Electrical schematic for Double Stage Filter

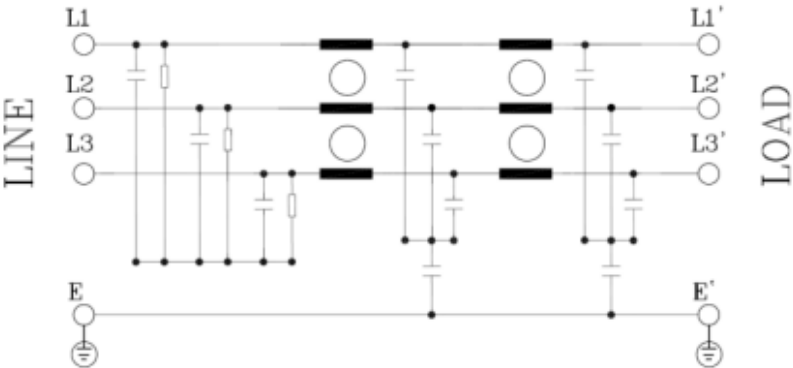
CKT-1



Datasheet | EC48



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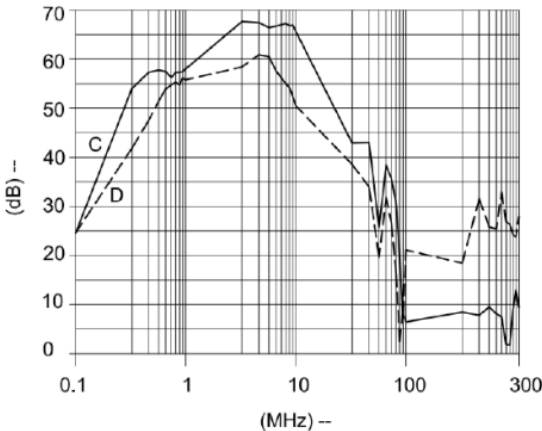
Filter attenuation Graph

C = Common mode (asymmetrical) —————


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

For general application (Double Stage)

For 20A,25A & 30A



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-3A020F24G-C48	20	< 3.5	F	1.5	High
2	EF-3A025F24G-C48	25	< 3.5	F	1.5	High
3	EF-3A030F24G-C48	30	< 3.5	F	1.5	High