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High attenuation AC EMI Filter



*Image shown is for illustrative purpose only

Features and benefits

- Filters available in single& 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
- Easy and fast chassis mountable filter with compact size.
- CRCA metal can with nickel plating provides good aesthetic and corrosion protection.

Application

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

Conformance



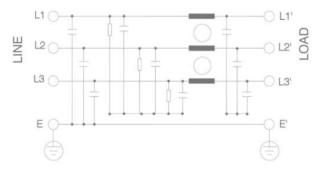
Technical specifications

Operating voltage	440VAC (P-P)	
Current rating	1700A-2000A	
Frequency	50/60Hz	
Voltage drop	1 Volt max.	
High potential test voltage	P -> E 1500VAC	
Insulation resistance	\geq 300 M Ω @ 500VDC (PN \rightarrow E)	
Operating temperature	40°c /-25°c +85°C	

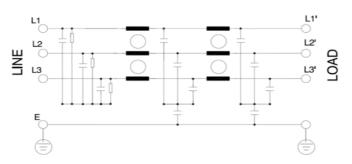
Attenuation type



Electrical schematic for Single stage filter



Electrical schematic for Double stage filter

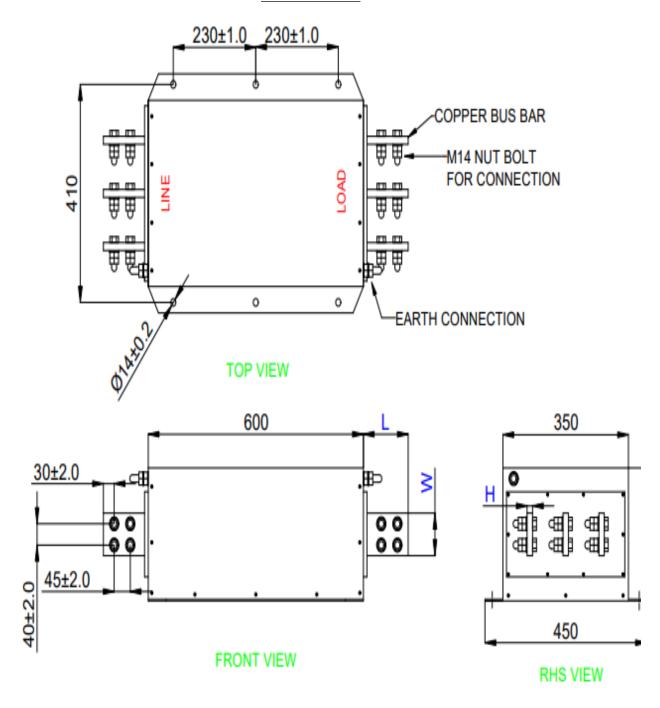


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Mechanical Drawing

Busbar terminal



*All dimensions are in mm. General tolerance=±2%

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Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°c	Leakage current (mA) @440VAC	Bus bar	Attenuation
1	EF-3A1K7E01G-C64	1700	< 3.5	E	Standard
2	EF-3A1K8E01G-C64	1800	< 3.5	E	Standard
3	EF-3A1K9E01G-C64	1900	< 3.5	E	Standard
4	EF-3A2K0E01G-C64	2000	< 3.5	E	Standard
5	EF-3A1K7E20G-C64	1700	< 3.5	E	High
6	EF-3A1K8E20G-C64	1800	< 3.5	E	High
7	EF-3A1K9E20G-C64	1900	< 3.5	E	High
8	EF-3A2K0E20G-C64	2000	< 3.5	E	High

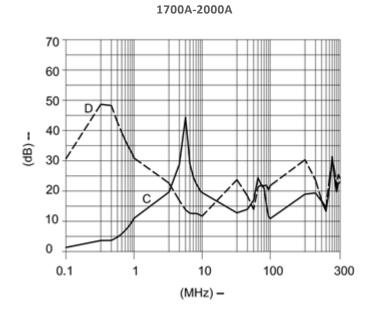
- Customize products provided on request.

Filter attenuation graph

C = Common mode (asymmetrical) _____

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

For Single Stage



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