ELCOM

General Purpose AC EMI Filter

*Image shown is for illustrative purpose only

Approvals /Conformance

CSA c US   CE   RoHS COMPLIANT

Technical Specifications

Operating voltage	440VAC (P-P)
Current rating	1100A – 1600A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> P 2121VDC
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°c /-25°c +85°C

Features and benefits

l Filters available in single stage.
l All filters provide high attenuation performance.
l Two stage filters designed for noisy application requiring excellent filter performance.
l All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
l High reliable
l Easy and fast chassis mountable filter with compact size.
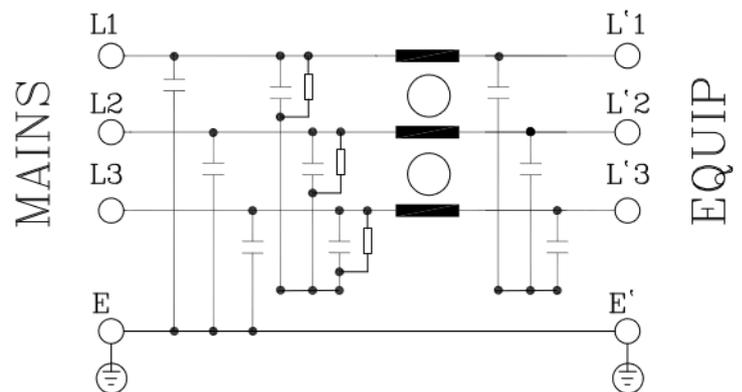l CRCA metal can with nickel plating provides good aesthetic and corrosion protection.

Attenuation type

Single Stage   Standard

Electrical schematic for filter:

General purpose –
CKT-1

Application

l Consumer product
l Defence application
l Industrial application
l Automotive application
l Weighting Machines
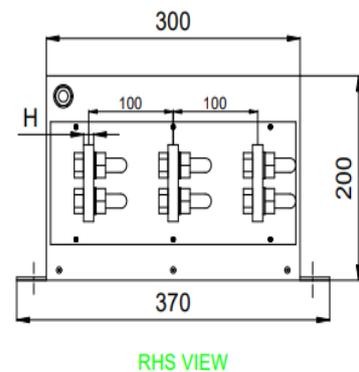l Printing Machinery
l Electrical equipment application

Datasheet | EC47

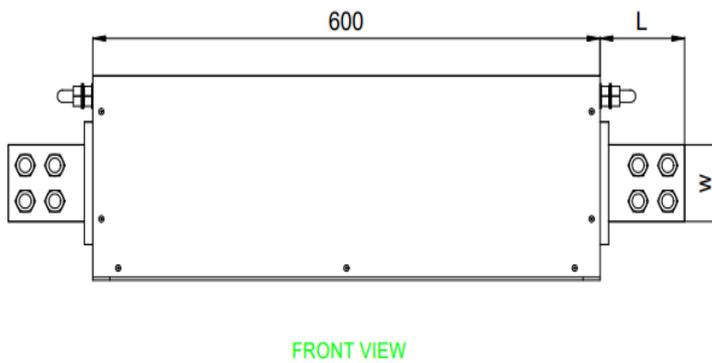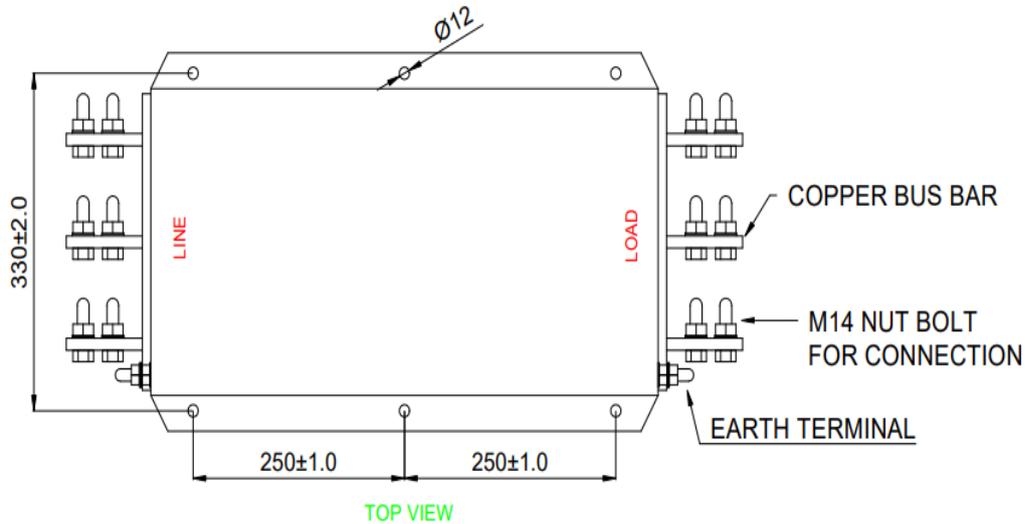## Mechanical Details

TOP VIEW

FRONT VIEW

RHS VIEW

All dimensions in mm
General tolerance = ±2%

Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°c	Leakage current (mA) @440VAC	Bus bar	Approx. Weight (Kg)	Attenuation
1	EF-3A1K3E01E-C57	1300	< 3.5	E	40	Standard
2	EF-3A1K6E01E-C57	1600	< 3.5	E	45	Standard

- Maximum leakage under usual AC operating conditions (acc. IEC 60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.
- Protecting cover will provided on request.
- Customize products provided on request.

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Connection Method

Current Rating (A)	Busbar details				Earthing
	L (mm)	W (mm)	H (mm)	Screw for connection	
1300	100	40	15	M14	M12
1600	100	70	10	M14	M12

Filter attenuation graph

C = Common mode (asymmetrical) —————   D = Differential mode (symmetrical) - - - - - - - -

1100A - 1600A