Datasheet | EC06 DC filter

El.italia EC-EC06 serie

General Purpose DC EMI Filter

*Image shown is for illustrative purpose only

Conformance

CE RoHS COMPLIANT

Technical specifications

Operating voltage	24 VDC
Current rating	1A to 6 Amp
Voltage drop	1 Volt max.
High potential test voltage	+,- to E 1500VAC
Insulation resistance	≥ 300 MΩ @ 500VDC (+,- to E)
Operating temperature	40°c /-25°c +85°c

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
| Easy and fast chassis mountable filter with compact size.
| CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
| FVarious terminal options are available
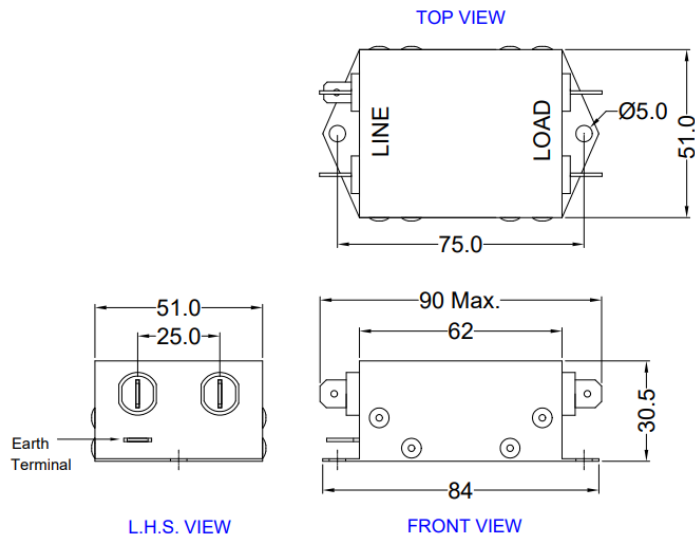
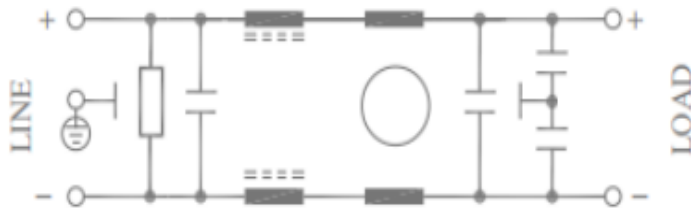## Attenuation Type

Double Stage   High

Applications

| Modems
| Network Routing Equipment
| Servers
| Ethernet Hubs
| Base Stations
| Power Supplies
| Photovoltaic Inverters
| DC Motor Drives
| DC Chargers
| Frequency Inverters
| Energy system

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Mechanical details

TOP VIEW

LINE LOAD

Ø5.0

51.0

75.0

51.0

25.0

Earth
Terminal

L.H.S. VIEW

90 Max.

62

30.5

84

FRONT VIEW

All dimensions in mm
General tolerance=±2mm

Electrical schematic for Filter

LINE LOAD

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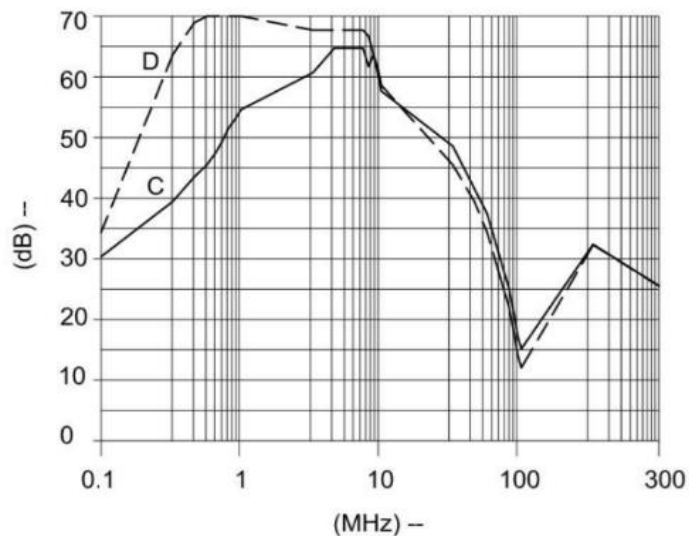
Filter attenuation Graph

C = Common mode (asymmetrical) ————

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

Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°c	Terminals (X) Fast-on	Approx. Weight (gm)	Attenuation
1	EF-4B001X24G-C06	1	B	200	Standard
2	EF-4B003X24G-C06	3	B	200	Standard
3	EF-4B006X24G-C06	6	B	200	Standard

Connection Type

Current Rating (A)	Wire terminal	Fast -on terminal	Earthing
1	0.5 sq.mm.	6.3 X 0.8mm	Wire lead/Fast-on

El.italia EC-EC06 serie

Syntax

EF – 4B CCC X **YY G – C06**

Filter Series	

G	CE RoHS compliant

24	Double stage with Variable Feature

B	Fast on 6.3 x 0.8 mm / soldering lug
G	Wire leads

001 to 006	Rated current

4B	24 VDC
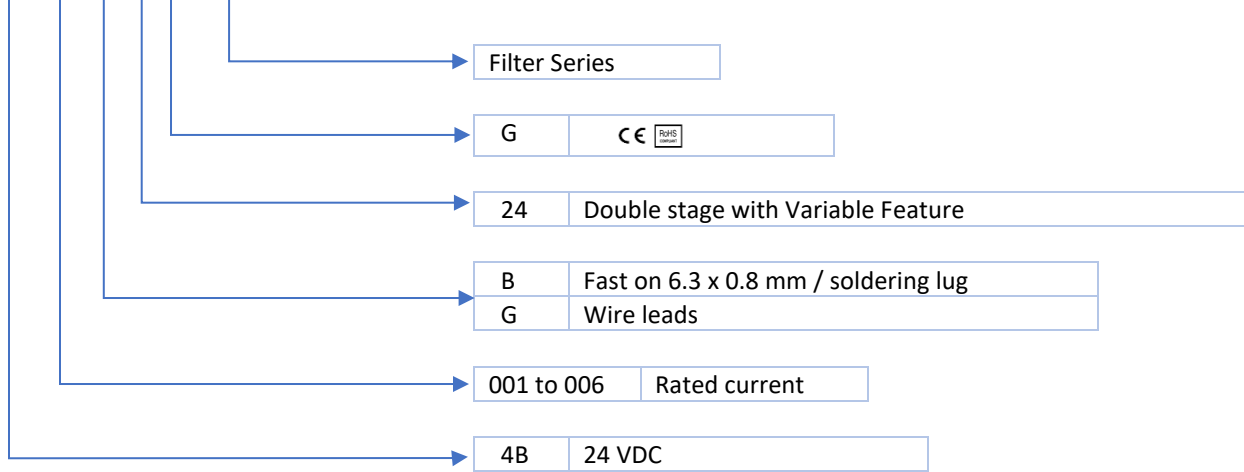
- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-4B001B24G-C06).
- Customize products provided on request.