

EMI filter with feed through capacitor



*Image shown is for illustrative purpose only

Conformance



Technical specifications

Operating voltage	120/250 VAC
Current rating	10A
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

Features and benefits

- | Very low internal series inductance
- | Very high self-resonant frequency
- | Self-healing dielectric
- | High quality and reliability
- | Custom-specific or dual-versions on request
- | Cost effective solution
- | All filters provide high attenuation performance

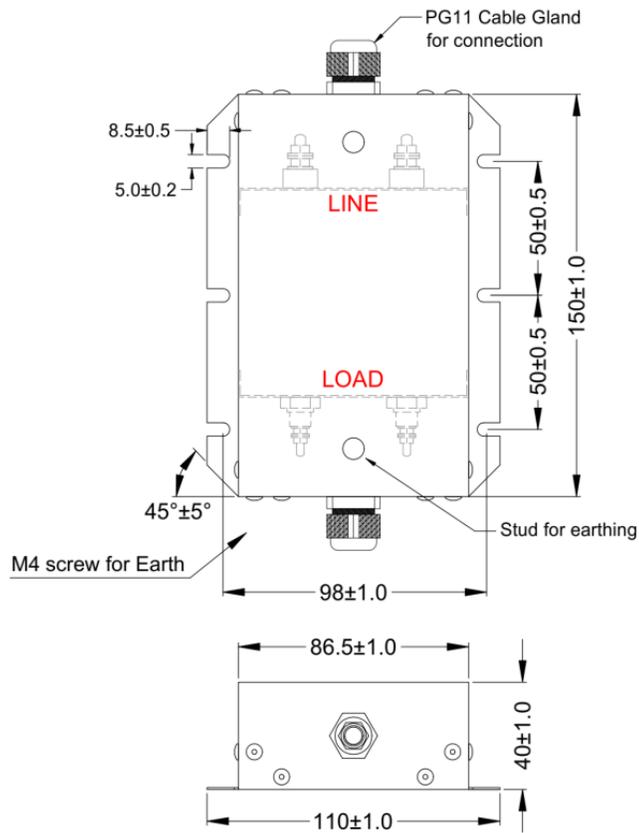
Attenuation Type

Double stage **High**

Applications

- | Power line filter
- | Medical equipment
- | Power supplies
- | Switching and cellular equipment
- | Computer servers
- | UPS power supplies
- | Medical equipment
- | Shielded rooms
- | Increasing system and information security
- | Radar applications
- | Electro mobility
- | VFD

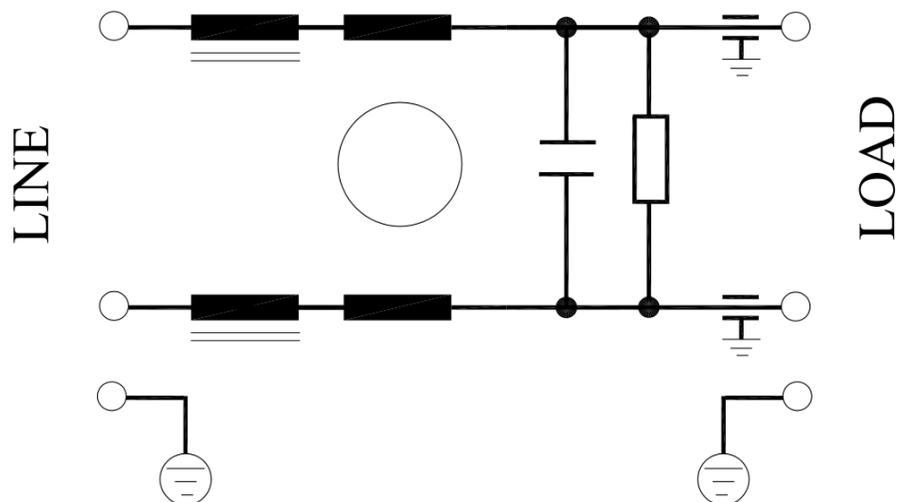
Mechanical details



All dimensions in mm

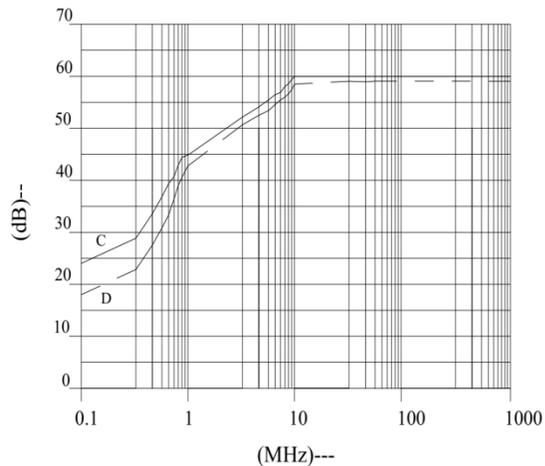
Electrical schematic

General purpose –



Filter attenuation Graph

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

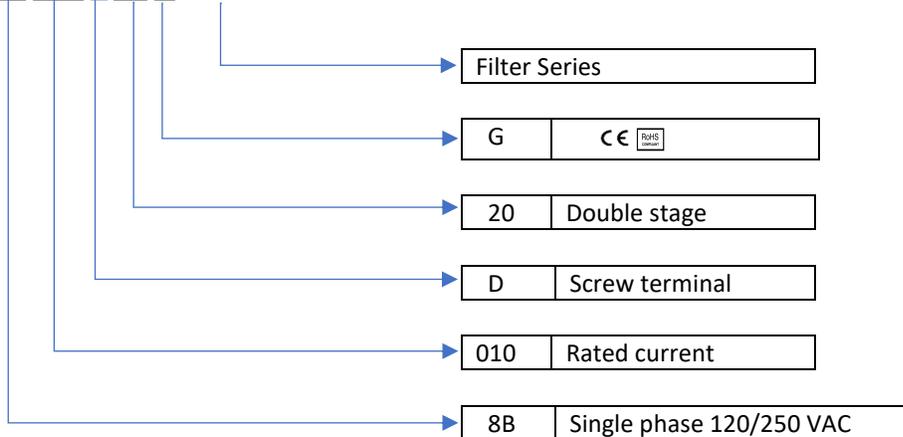


Connection Type

Current Rating (A)	Screw terminal	Screw terminal	Earthing
10	For Input M4	For Output M3	M4 screw

Syntax

EF - 8B CCC X YY G - C20



- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-8B010D20G-C20).
- 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.
- Customize products provided on request.

REV	IS	WAS	DATE	SIGN	APP.

HQ: Elcom International Pvt. Ltd. 20, Prabhadevi Ind. Est., Mumbai - 400 025, India. Tel.: +91 22 66114444, Fax: +91 22 66114422, sales@elcom-in.com

www.elcom-in.com

Prepared on: 01.01.22

F: ENG-40.00

Copyright © 2022 by Elcom International Pvt.Ltd, India. All rights reserved

The content of this document has been carefully checked and understood. However, Elcom not assume any liability whatsoever for any errors or inaccuracies of this document and the consequences thereof. Published specifications are subject to change without notice. Product suitability for any area of application must ultimately be determined by the customer.

20, Ground Floor, Prabhadevi Industrial Estate, 408, Veer Savarkar Marg, Prabhadevi, Mumbai, Maharashtra - 400025, India.

Landline - +91-22-66114444 / +91-22-24308861

Email ID: elcom.mail@elcom-in.com

Factory:

Plot E-4, MIDC, Kagal-Hatkanangale Five Star Industrial Area,

Kasba:Sangaon, Kolhapur, Maharashtra, India – 416236

