

General Purpose AC EMI Filter



*Image shown is for illustrative purpose only

Approvals /Conformance



Technical Specifications

Operating voltage	85-264 VAC
Current rating	3A
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

- | Filters available in double stage
- | All filters provide high attenuation performance.
- | Two stage filters designed for noisy application requiring excellent filter performance.
- | High reliable
- | Panel mounting filter in fabricated metal can.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.

Application

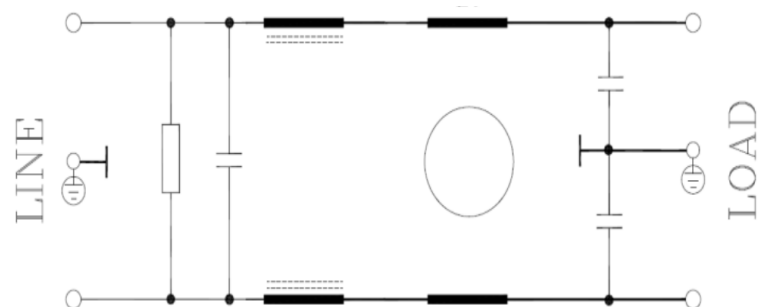
- | Defence application
- | Aerospace application
- | Military application
- | Industrial application
- | Electrical equipment application

Attenuation type

Single Stage

Standard

Electrical schematic for filter: General purpose –



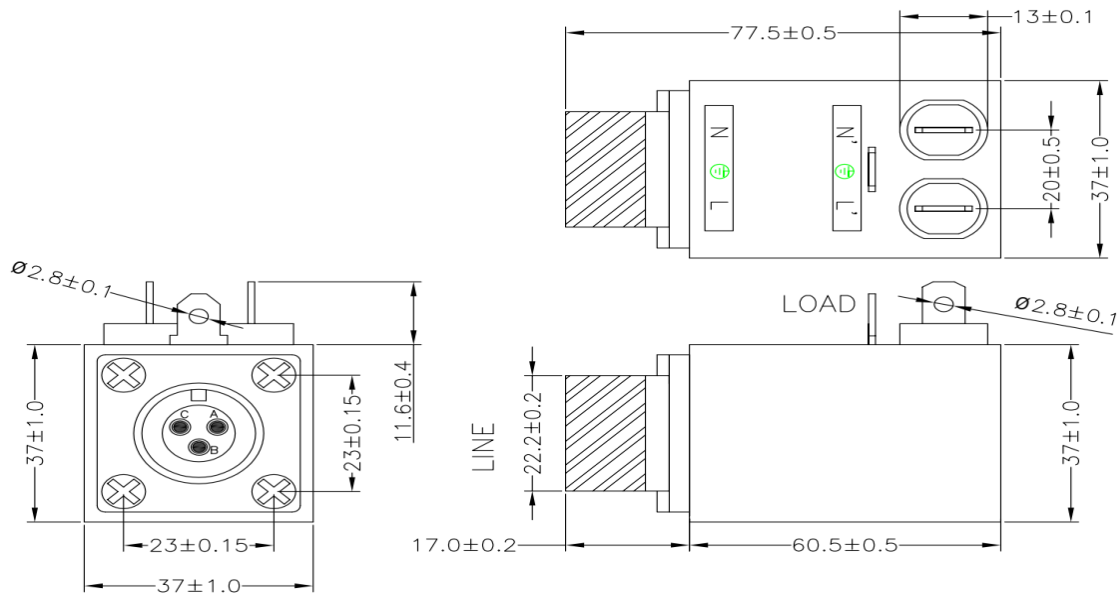
Datasheet | EB10

EP-442





Mechanical Drawing

Circular connector at input side and for output with 6.3 x 0.8 mm/solder tab



All dimensions are in mm

Product Selection Table:

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VA C	Terminals (X)		Approx . Weight (gram)	Attenuation
				Circular connector at input 	Fast-on at output 		
1	EF-1B003B26A-B10	3	< 1.0	B		250	High

- Connector MPNMS3102R-14S-7P, Cap-- MS25043-14D or equivalent
- Customize products provided on request.

Filter attenuation graph

C = Common mode (asymmetrical) —————

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

For general purpose

3A

