

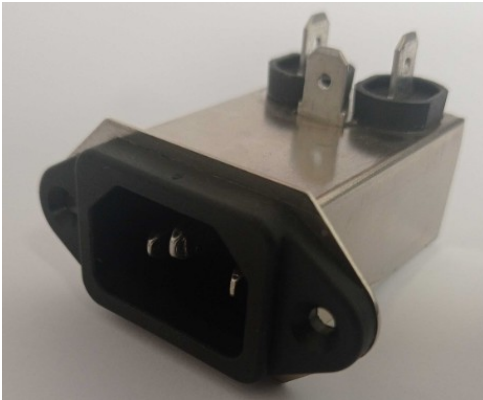
Datasheet | EB01

EP-326-B Series



El.italia EC-EB01 [EP-326-B] serie

General Purpose AC EMI Filter



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | Single stage.
- | High reliable.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on or wire terminal
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

Applications

- | Portable electrical and electronic equipment
- | Datacom equipment
- | Rack mounting equipment
- | Control Panel
- | Medical equipment
- | Consumer product
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Test and measurement equipment

Datasheet | EB01

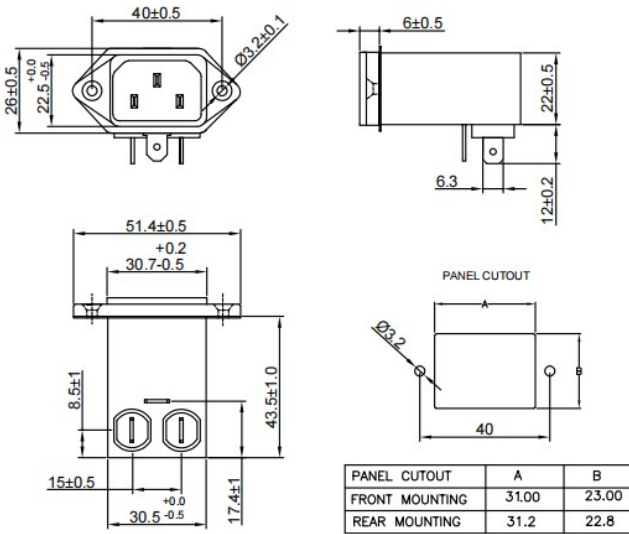
EP-326-B Series



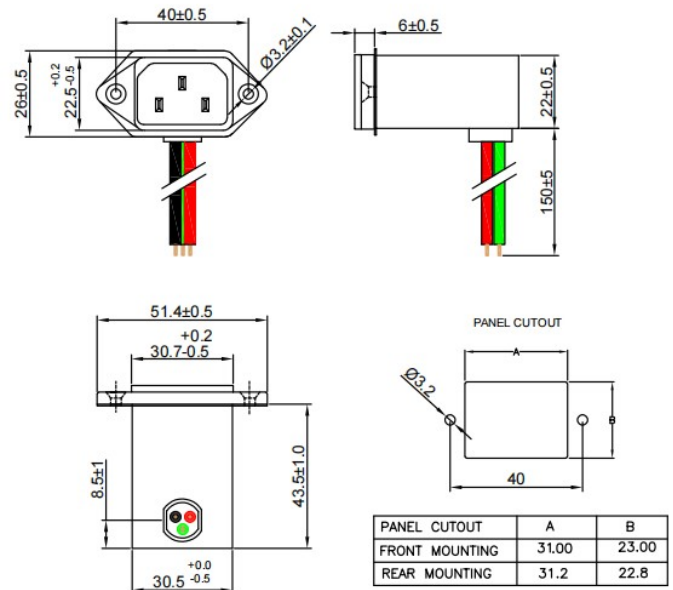
El.italia EC-EB01 [EP-326-B] serie

Mechanical details

Fast-on terminal



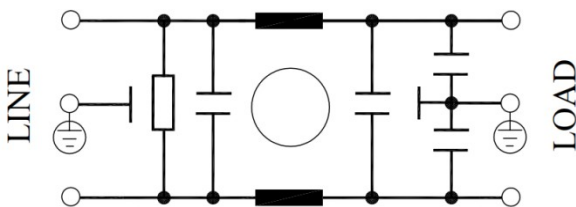
Wire terminal



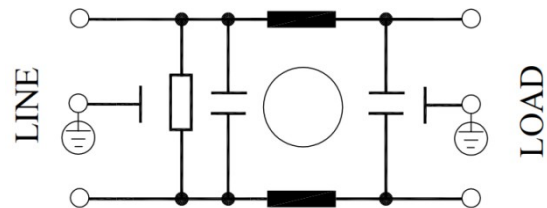
All dimensions in mm.

Electrical schematic for filter

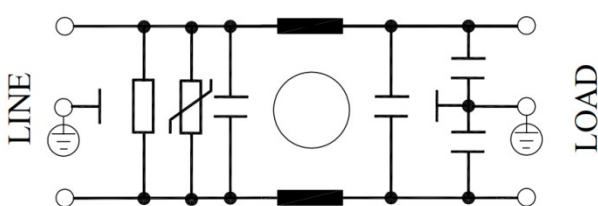
General purpose -



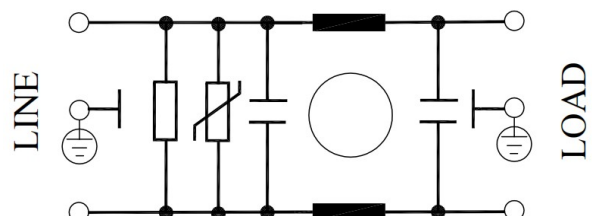
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -



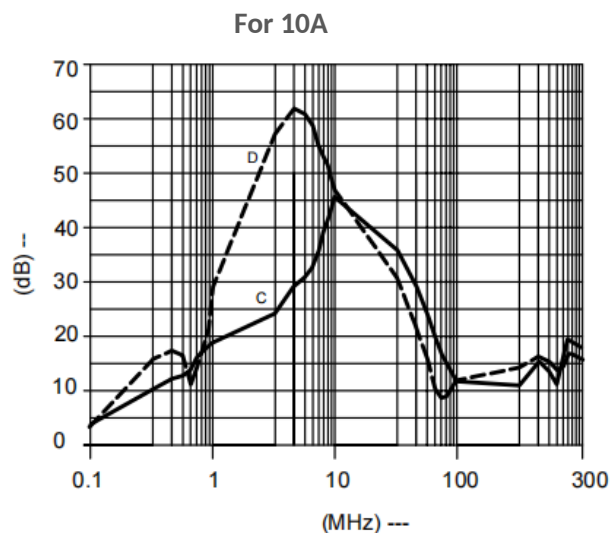
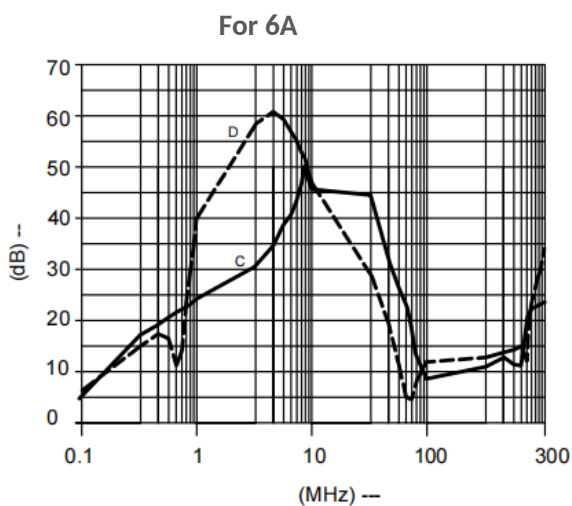
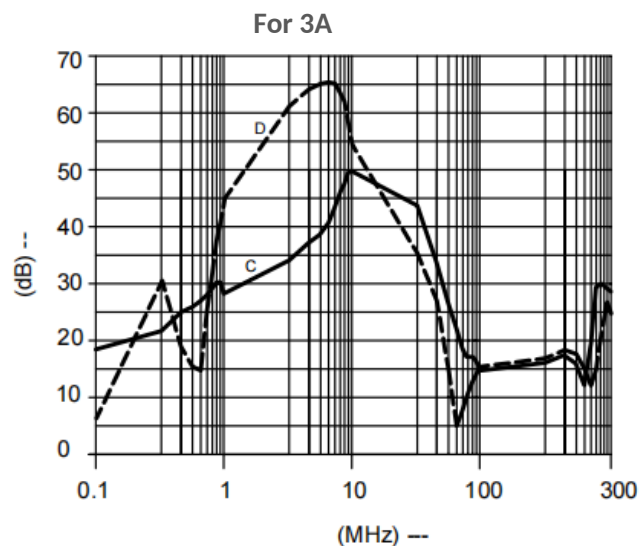
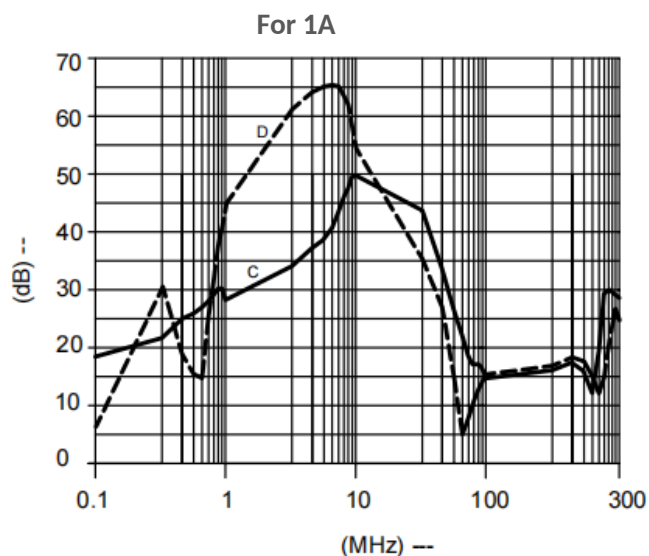


Filter attenuation graph

C = Common mode (asymmetrical) ———

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

For general purpose





Datasheet | EB01

EP-326-B Series



El.italia EC-EB01[EP-326-B] serie

Product Selection Table -

Sr · N o.	Elcom part codes (ordering code)	Rated Curre nt rating (A) @40°C	Leakage current (mA) @250V AC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Appro x. weight (gm)	Attenuatio n
				Fast- on 	Wire 				
1	EF-1B001X01E-B01	1	< 0.5	B	G	---	---	60	Standard
2	EF-1B001X02E-B01	1	< 0.5	B	G	6.5	175	60	Standard
3	EF-1B001X03E-B01	1	< 0.003	B	G	---	---	60	Standard
4	EF-1B001X04E-B01	1	< 0.003	B	G	6.5	175	60	Standard
5	EF-1B003X01E-B01	3	< 0.5	B	G	---	---	60	Standard
6	EF-1B003X02E-B01	3	< 0.5	B	G	6.5	175	60	Standard
7	EF-1B003X03E-B01	3	< 0.003	B	G	---	---	60	Standard
8	EF-1B003X04E-B01	3	< 0.003	B	G	6.5	175	60	Standard
9	EF-1B006X01E-B01	6	< 0.5	B	G	---	---	60	Standard
10	EF-1B006X02E-B01	6	< 0.5	B	G	6.5	175	60	Standard
11	EF-1B006X03E-B01	6	< 0.003	B	G	---	---	60	Standard
12	EF-1B006X04E-B01	6	< 0.003	B	G	6.5	175	60	Standard
13	EF-1B010X01E-B01	10	< 0.5	B	G	---	---	60	Standard
14	EF-1B010X02E-B01	10	< 0.5	B	G	6.5	175	60	Standard
15	EF-1B010X03E-B01	10	< 0.003	B	G	---	---	60	Standard
16	EF-1B010X04E-B01	10	< 0.003	B	G	6.5	175	60	Standard

- To compile complete part number, replace the 'X' with required output connection terminal. (e.g., EF-1B001B01E-B01)
- 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.

Connection Type

Current Rating (A)	Fast -on	Wire	Earthing
1, 3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads
		14AWG	

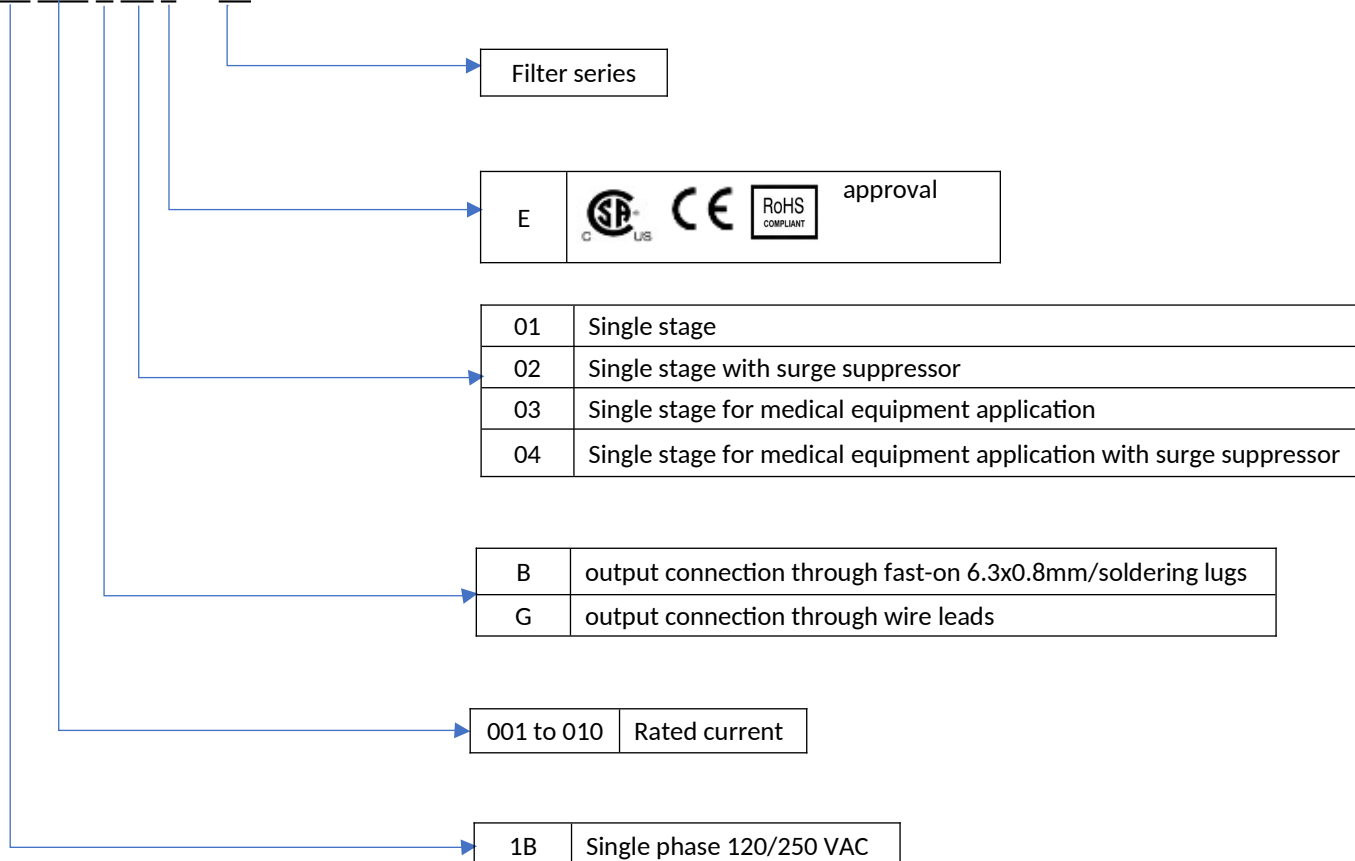
Datasheet | EB01

EP-326-B Series



El.italia EC-EB01 [EP-326-B] serie

EF - 1B CCC X YY E - B01



Datasheet | EB02

EP-326-E Series



General Purpose AC EMI Filter

El.italia EC-EB02[EP-326-E] serie



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C /-25°C +85°C

*Image shown is for illustrative purpose only

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | Single stage.
- | High reliable.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on or wire terminal
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

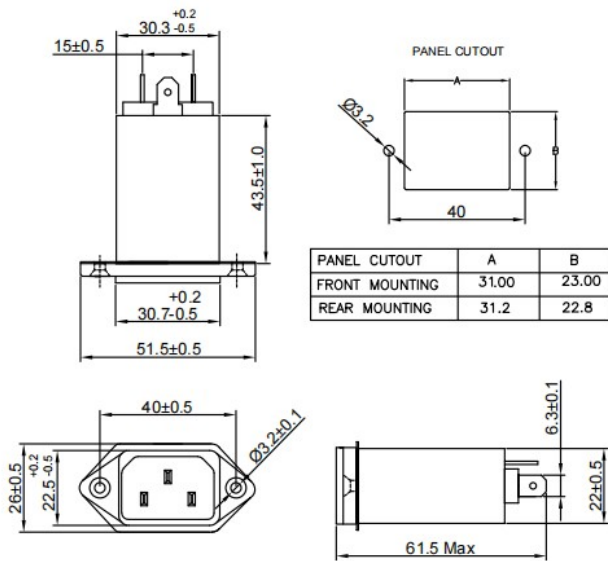
Applications

- | Portable electrical and electronic equipment
- | Datacom equipment
- | Rack mounting equipment
- | Control Panel
- | Medical equipment
- | Consumer product
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Test and measurement equipment

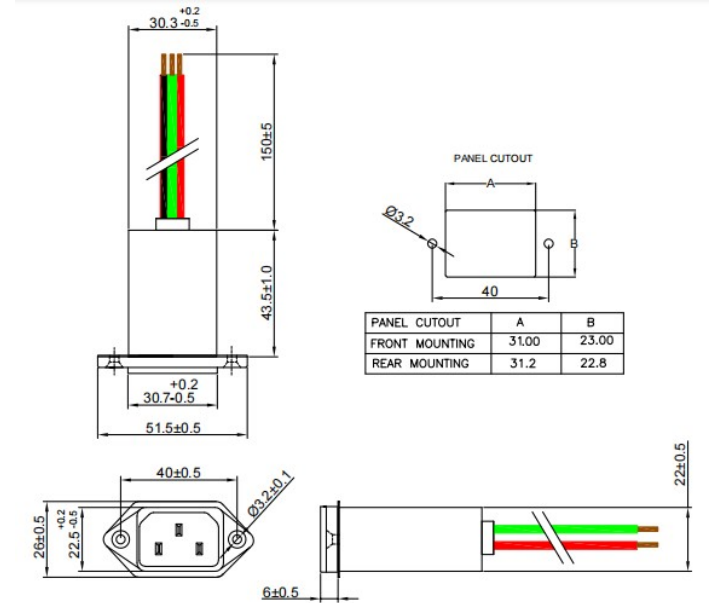


Mechanical details

Fast-on terminal



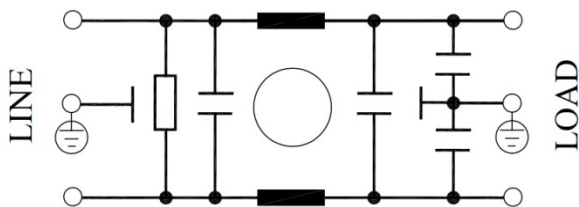
Wire terminal



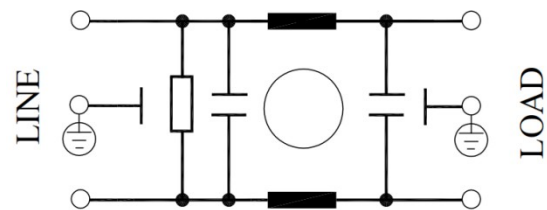
All dimensions in mm.

Electrical schematic for filter

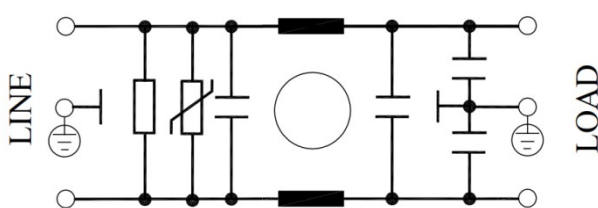
General purpose -



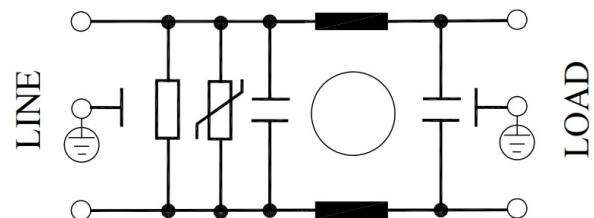
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -





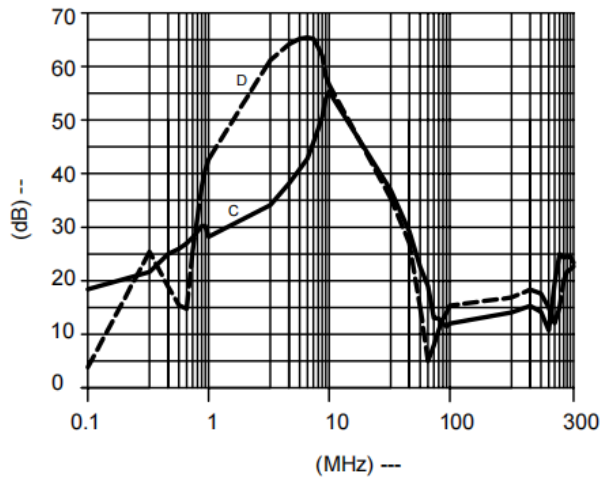
Filter attenuation graph

C = Common mode (asymmetrical) ———

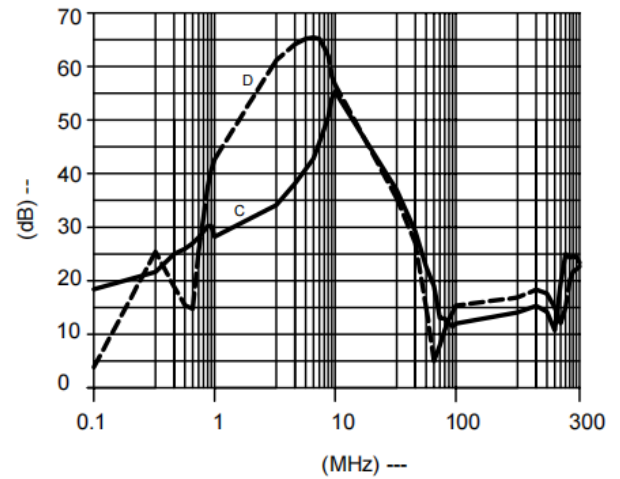
D = Differential mode (symmetrical) - - - - -

For general purpose

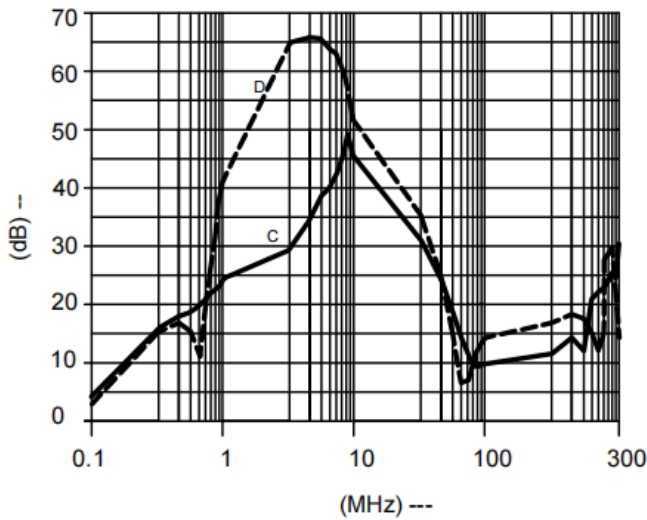
For 1A



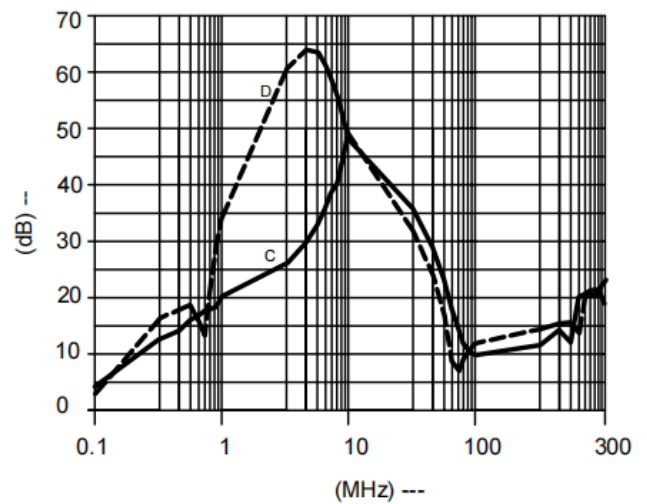
For 3A



For 6A



For 10A





Datasheet | EB02

EP-326-E Series



Product Selection Table -

El.italia EC-EB02[EP-326-E] serie

Sr. No	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250 VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. weight (gm)	Attenuation
				Fast-on 	Wire 				
1	EF-1B001X01E-B02	1	< 0.5	B	G	----	----	60	Standard
2	EF-1B001X02E-B02	1	< 0.5	B	G	6.5	175	60	Standard
3	EF-1B001X03E-B02	1	< 0.003	B	G	----	----	60	Standard
4	EF-1B001X04E-B02	1	< 0.003	B	G	6.5	175	60	Standard
5	EF-1B003X01E-B02	3	< 0.5	B	G	----	----	60	Standard
6	EF-1B003X02E-B02	3	< 0.5	B	G	6.5	175	60	Standard
7	EF-1B003X03E-B02	3	< 0.003	B	G	----	----	60	Standard
8	EF-1B003X04E-B02	3	< 0.003	B	G	6.5	175	60	Standard
9	EF-1B006X01E-B02	6	< 0.5	B	G	----	----	60	Standard
10	EF-1B006X02E-B02	6	< 0.5	B	G	6.5	175	60	Standard
11	EF-1B006X03E-B02	6	< 0.003	B	G	----	----	60	Standard
12	EF-1B006X04E-B02	6	< 0.003	B	G	6.5	175	60	Standard
13	EF-1B010X01E-B02	10	< 0.5	B	G	----	----	60	Standard
14	EF-1B010X02E-B02	10	< 0.5	B	G	6.5	175	60	Standard
15	EF-1B010X03E-B02	10	< 0.003	B	G	----	----	60	Standard
16	EF-1B010X04E-B02	10	< 0.003	B	G	6.5	175	60	Standard

To compile complete part number, replace the 'X' with required output connection terminal. (e.g. EF-1B001B01E-B02)

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.

Connection Type

Current Rating (A)	Fast-on	Wire	Earthing
1, 3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads
		14AWG	

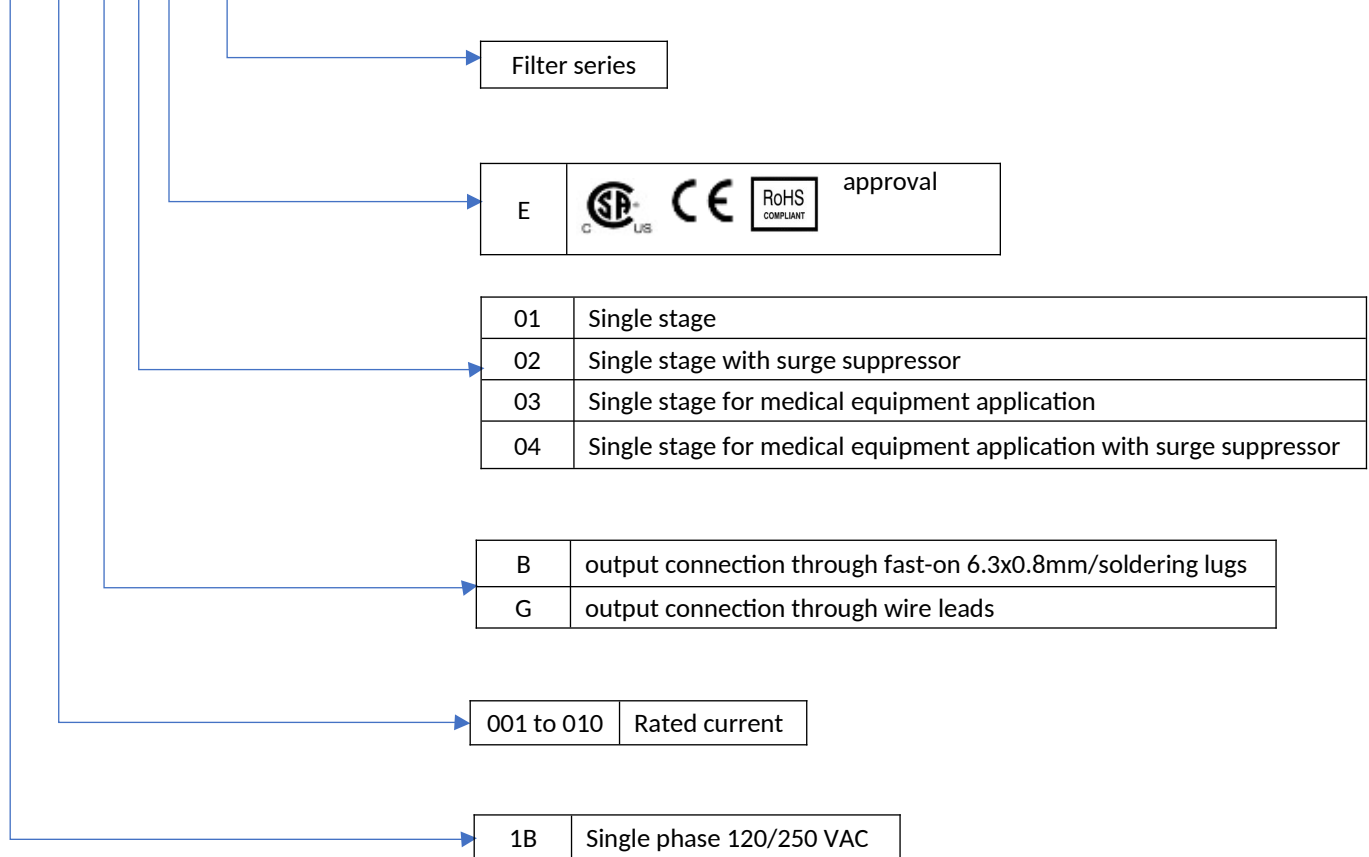
Datasheet | EB02

EP-326-E Series



El.italia EC-EB02[EP-326-E] serie

EF - 1B CCC X YY E - B02



Datasheet | EB03

EP-322 Series



General Purpose AC EMI Filter

El.italia EC-EB03[EP-322] serie



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | Single stage.
- | High reliable.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on or wire terminal
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

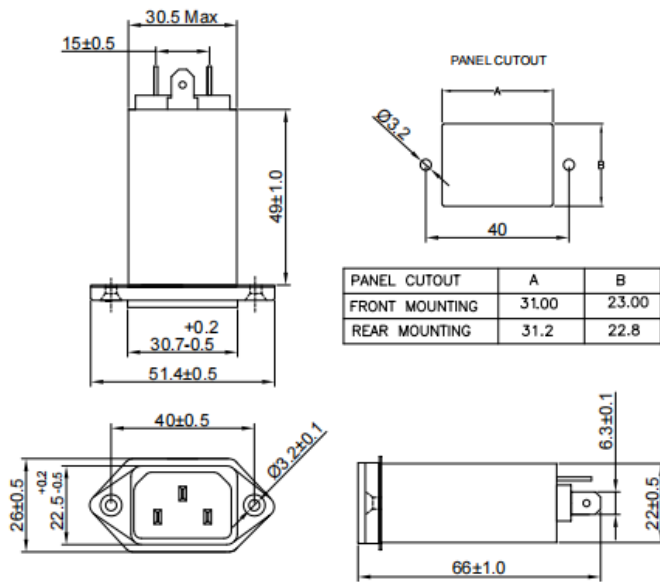
Applications

- | Portable electrical and electronic equipment
- | Datacom equipment
- | Rack mounting equipment
- | Control Panel
- | Medical equipment
- | Consumer product
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Test and measurement equipment



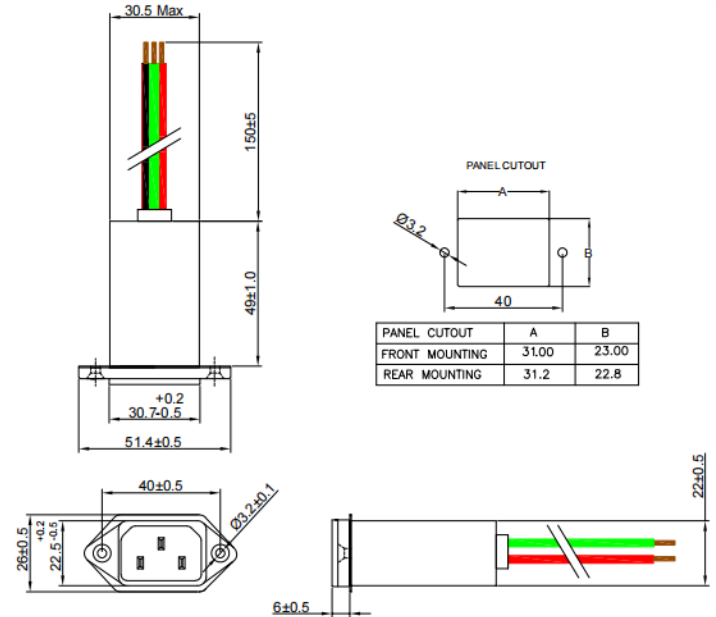
Mechanical details

Fast-on terminal



El.italia EC-EB03[EP-322] serie

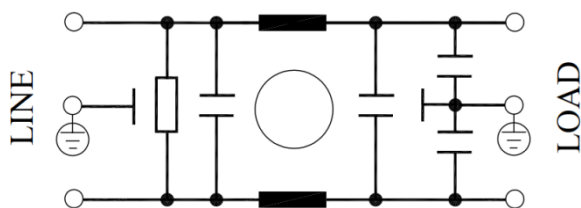
Wire terminal



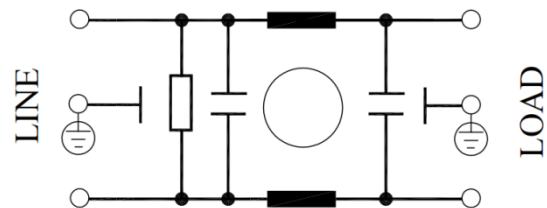
All dimensions in mm.

Electrical schematic for filter

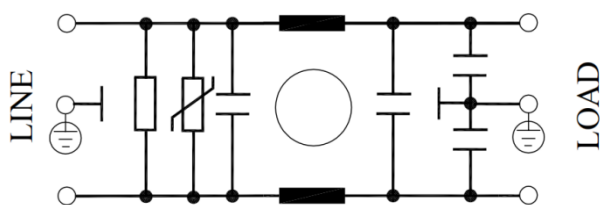
General purpose -



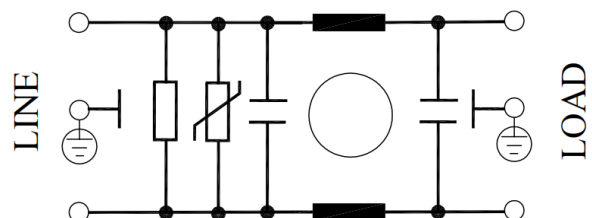
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -



Datasheet | EB03

EP-322 Series



El.italia EC-EB03[EP-322] serie

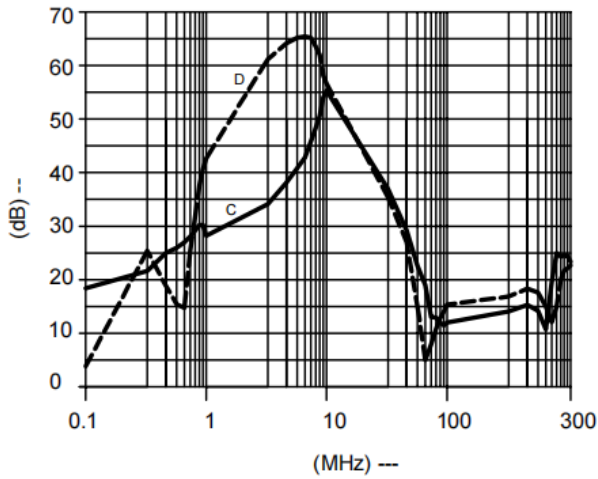
Filter attenuation graph

C = Common mode (asymmetrical) ———

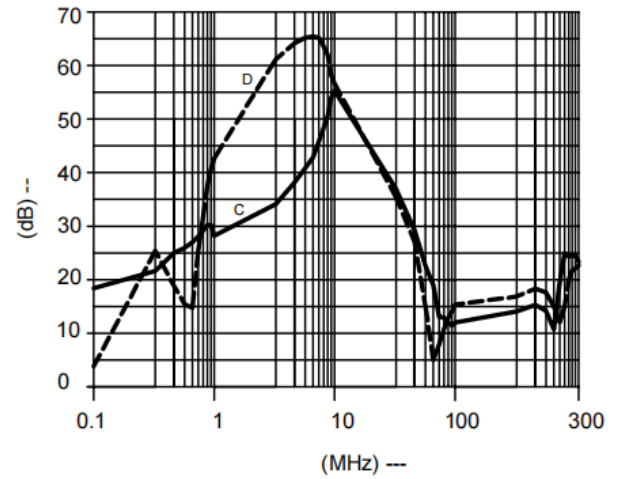
D = Differential mode (symmetrical) -----

For general purpose

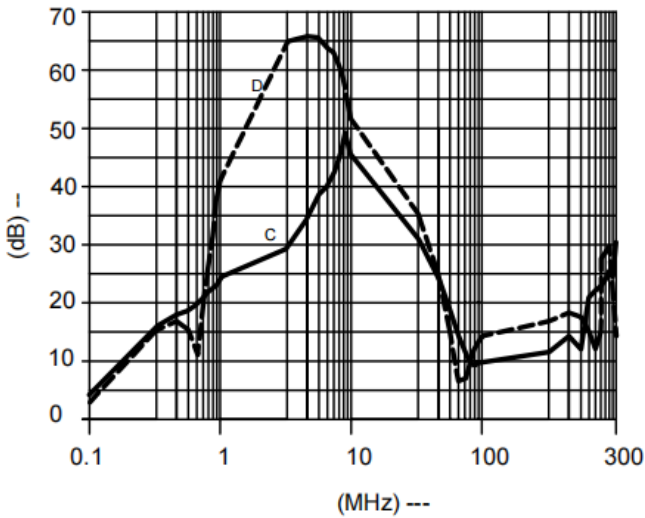
For 1A



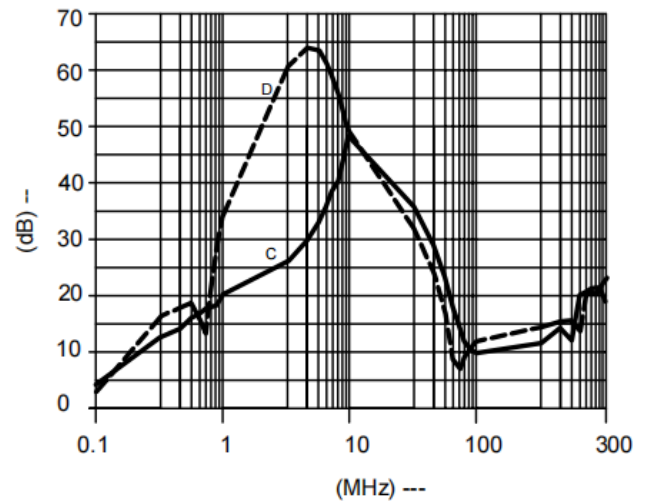
For 3A



For 6A



For 10A





Datasheet | EB03

EP-322 Series



Product Selection Table –

El.italia EC-EB03[EP-322] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. weight (gm)	Attenuation
				Fast-on 	Wire 				
1	EF-1B001X01E-B03	1	< 0.5	B	G	----	----	75	Standard
2	EF-1B001X02E- B03	1	< 0.5	B	G	6.5	175	75	Standard
3	EF-1B001X03E- B03	1	< 0.003	B	G	----	----	75	Standard
4	EF-1B001X04E- B03	1	< 0.003	B	G	6.5	175	75	Standard
5	EF-1B003X01E- B03	3	< 0.5	B	G	----	----	75	Standard
6	EF-1B003X02E- B03	3	< 0.5	B	G	6.5	175	75	Standard
7	EF-1B003X03E- B03	3	< 0.003	B	G	----	----	75	Standard
8	EF-1B003X04E- B03	3	< 0.003	B	G	6.5	175	75	Standard
9	EF-1B006X01E- B03	6	< 0.5	B	G	----	----	75	Standard
10	EF-1B006X02E- B03	6	< 0.5	B	G	6.5	175	75	Standard
11	EF-1B006X03E- B03	6	< 0.003	B	G	----	----	75	Standard
12	EF-1B006X04E- B03	6	< 0.003	B	G	6.5	175	75	Standard
13	EF-1B010X01E- B03	10	< 0.5	B	G	----	----	75	Standard
14	EF-1B010X02E- B03	10	< 0.5	B	G	6.5	175	75	Standard
15	EF-1B010X03E- B03	10	< 0.003	B	G	----	----	75	Standard
16	EF-1B010X04E- B03	10	< 0.003	B	G	6.5	175	75	Standard

- To compile complete part number, replace the 'X' with required output connection terminal. (e.g. EF-1B001B01E-B03)
- 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.



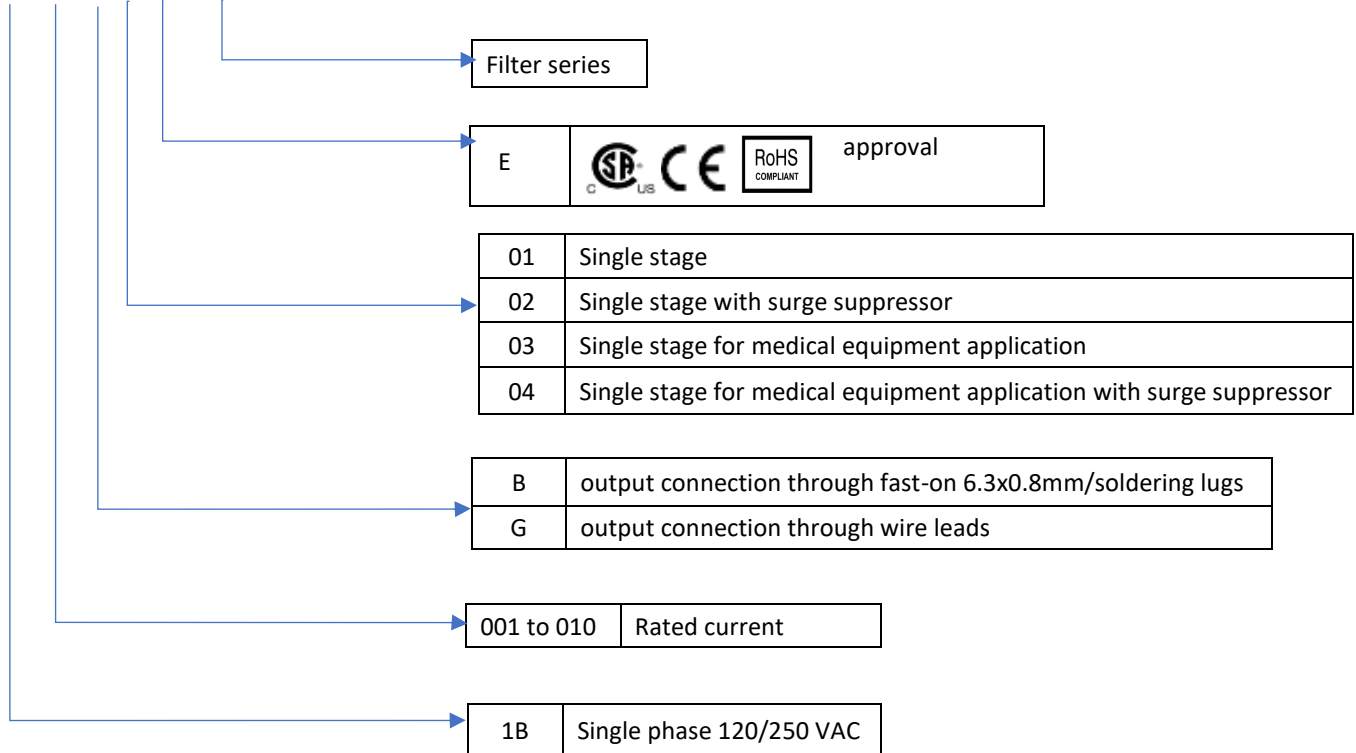
El.italia EC-EB03[EP-322] serie

Connection Type

Current rating (A)	Fast -on	Wire	Earthing
1, 3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads
10		14AWG	

Syntax

EF - 1B CCC X YY E - B03



Datasheet | EB04

EP-382 Series



General Purpose AC EMI Filter

El.italia EC-EB04[EP-382] serie



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

*Image shown is for illustrative purpose only

Features and benefits

- | All filters provides high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in snap-in mounting provision.
- | Single stage.
- | High reliable.
- | Provision of single fuse holder.
- | Plastic housing with good aesthetic.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on or wire terminal
- | Available with red illuminated switch.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

Applications

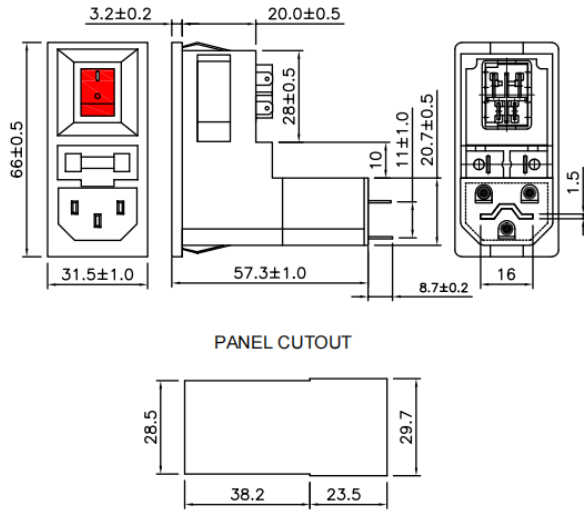
- | Portable electrical and electronic equipment
- | Datacom equipment
- | Control Panel
- | SMPS, single phase power supplies
- | Medical equipment



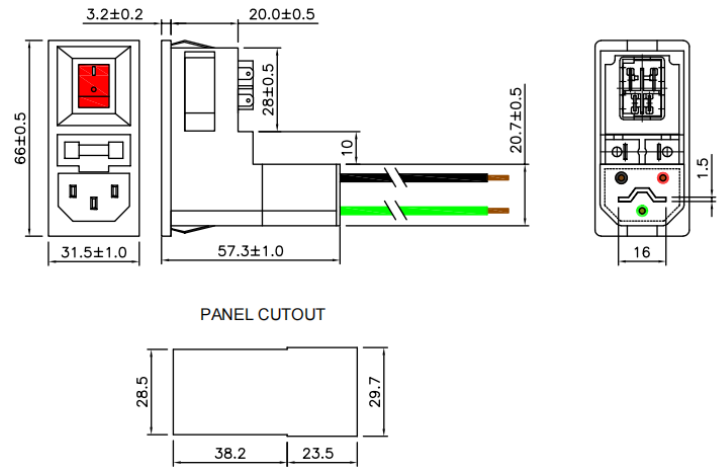
Mechanical details

El.italia EC-EB04[EP-382] serie

Fast-on terminal



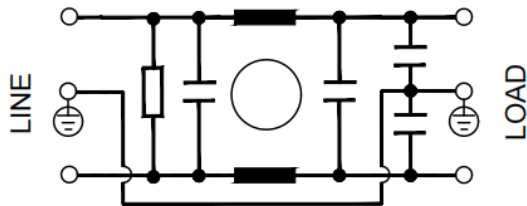
Wire terminal



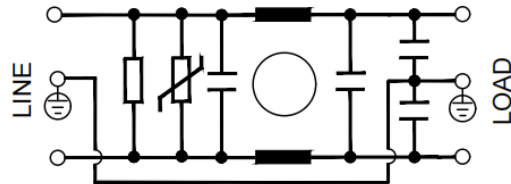
All dimensions in mm.

Electrical schematic for filter

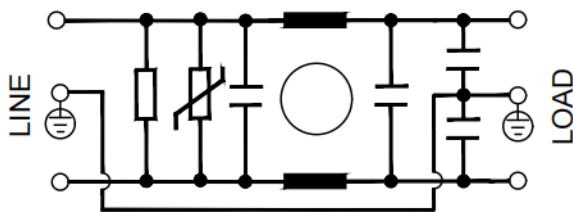
General purpose -



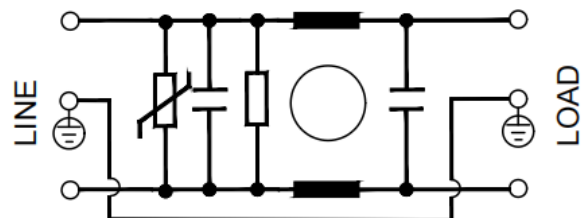
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -





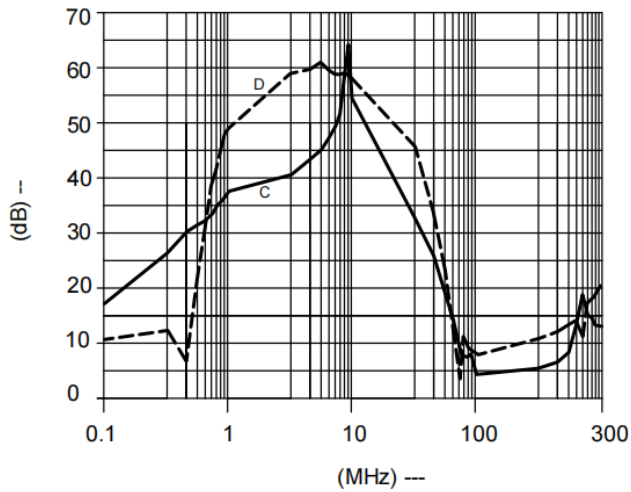
Filter attenuation graph

C = Common mode (asymmetrical) ———

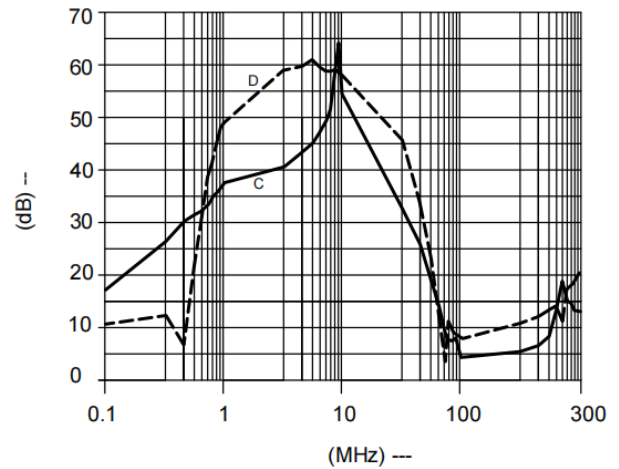
D = Differential mode (symmetrical) - - - - -

For general purpose

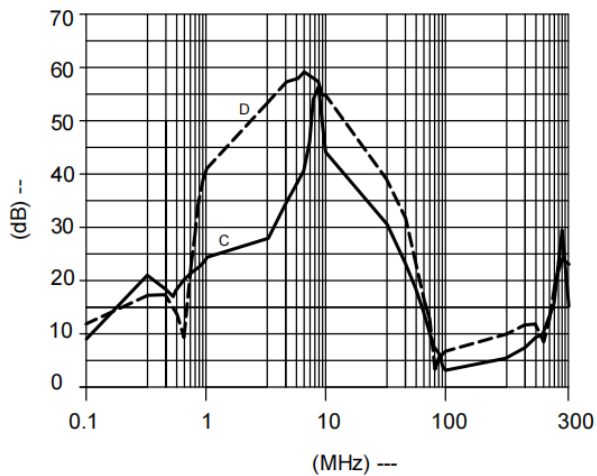
For 1A



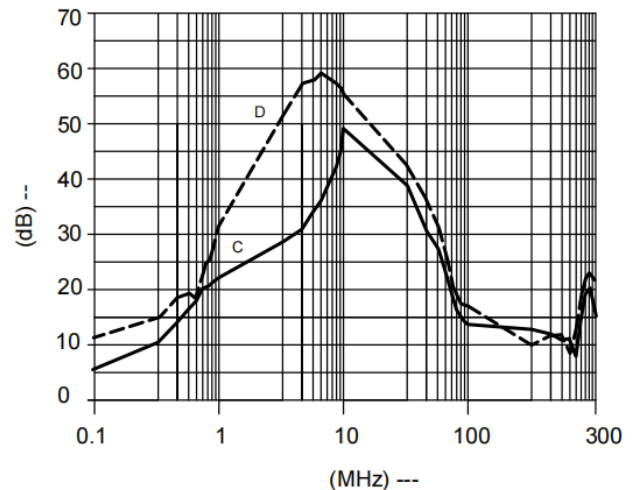
For 3A



For 6A





For 10A





Product Selection Table –

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. weight (gm)	Attenuation
				Fast-on 	Wire 				
1	EF-1B001X01E-B04	1	< 0.5	C	G	----	----	65	Standard
2	EF-1B001X02E- B04	1	< 0.5	C	G	6.5	175	65	Standard
3	EF-1B001X03E- B04	1	< 0.003	C	G	----	----	65	Standard
4	EF-1B001X04E- B04	1	< 0.003	C	G	6.5	175	65	Standard
5	EF-1B003X01E- B04	3	< 0.5	C	G	----	----	65	Standard
6	EF-1B003X02E- B04	3	< 0.5	C	G	6.5	175	65	Standard
7	EF-1B003X03E- B04	3	< 0.003	C	G	----	----	65	Standard
8	EF-1B003X04E- B04	3	< 0.003	C	G	6.5	175	65	Standard
9	EF-1B006X01E- B04	6	< 0.5	C	G	----	----	65	Standard
10	EF-1B006X02E- B04	6	< 0.5	C	G	6.5	175	65	Standard
11	EF-1B006X03E- B04	6	< 0.003	C	G	----	----	65	Standard
12	EF-1B006X04E- B04	6	< 0.003	C	G	6.5	175	65	Standard
13	EF-1B010X01E- B04	10	< 0.5	C	G	----	----	65	Standard
14	EF-1B010X02E- B04	10	< 0.5	C	G	6.5	175	65	Standard
15	EF-1B010X03E- B04	10	< 0.003	C	G	----	----	65	Standard
16	EF-1B010X04E- B04	10	< 0.003	C	G	6.5	175	65	Standard

- To compile complete part number, replace the 'X' with required output connection terminal. (e.g. EF-1B001B01E-B04)
- 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.

Datasheet | EB04

EP-382 Series



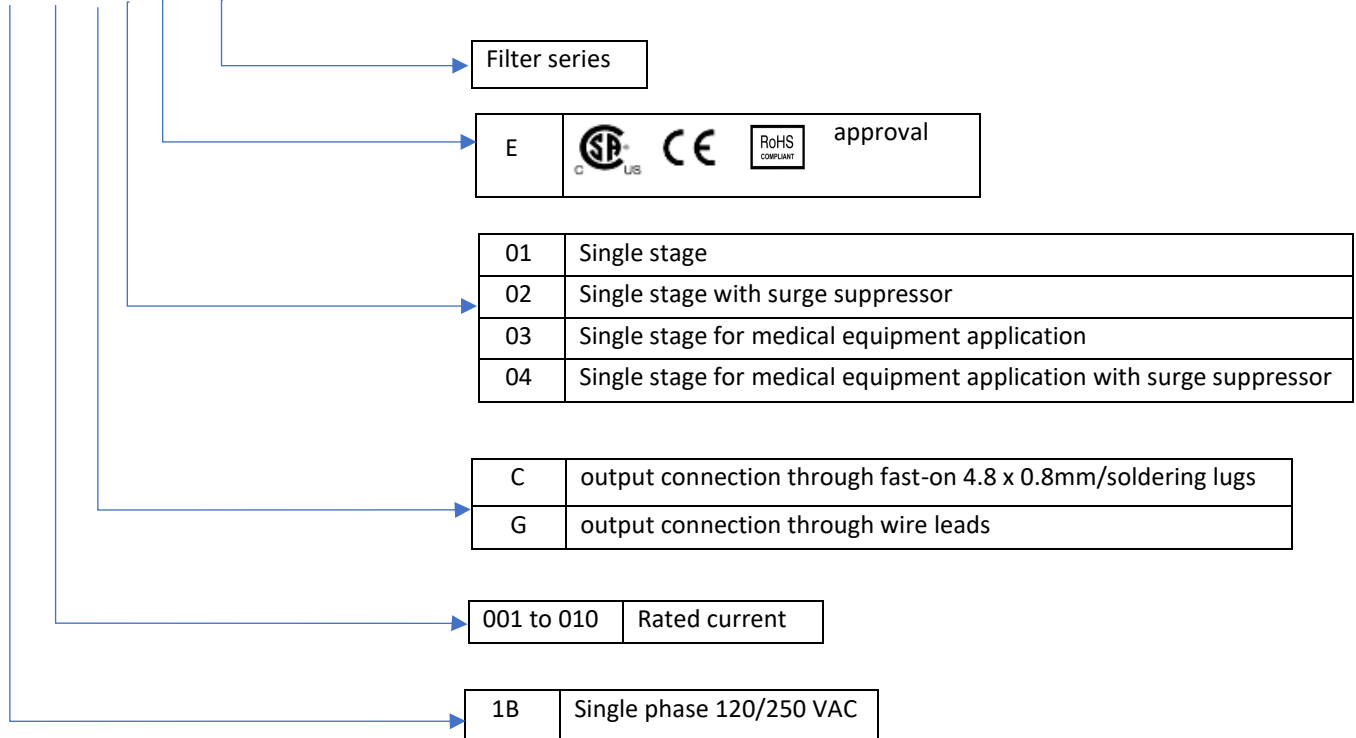
El.italia EC-EB04[EP-382] serie

Connection Type

Current rating (A)	Fast -on	Wire	Earthing
1, 3 & 6	4.8 X 0.8mm	18AWG	Fast-on/wire leads
10		14AWG	

Syntax

EF - 1B CCC X YY E - B04



Datasheet | EB05 EP-372-F1 Series



General Purpose AC EMI Filter

El.italia EC-EB05[EP-372-F1] serie



*Image shown is for illustrative purpose only



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provides high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | Single stage.
- | High reliable.
- | Provision of single fuse holder.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on.
- | Available with red non-illuminated switch.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

Application

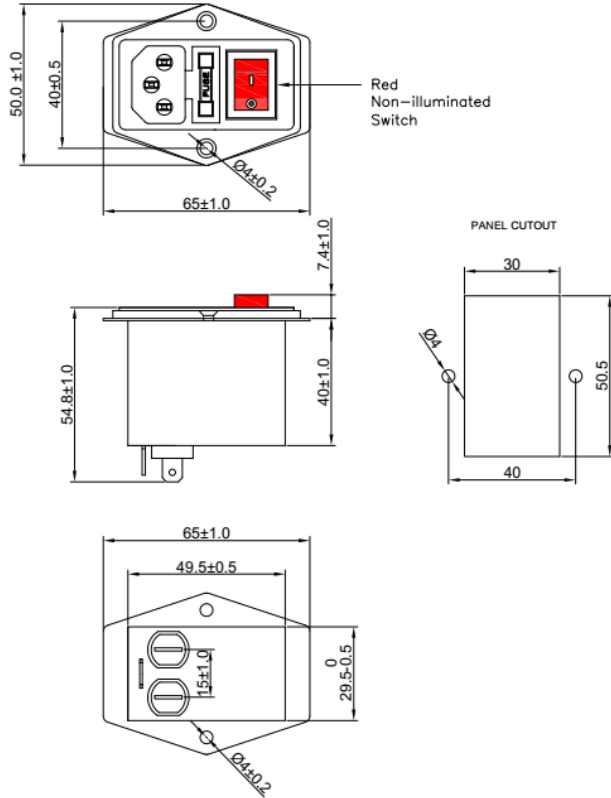
- | Portable electrical and electronic equipment
- | Datacom equipment
- | Control Panel
- | Medical equipment
- | SMPS
- | Test and measurement equipments



El.italia EC-EB05[EP-372-F1] serie

Mechanical details

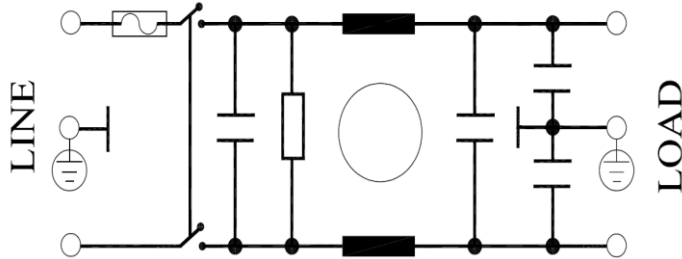
Fast-on terminal



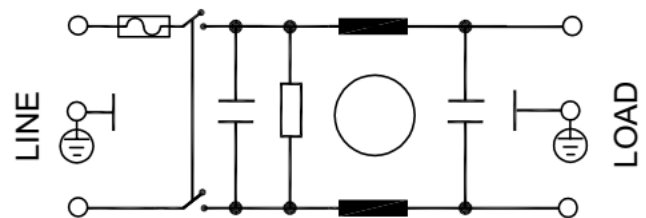
All dimensions in mm.

Electrical schematic for filter

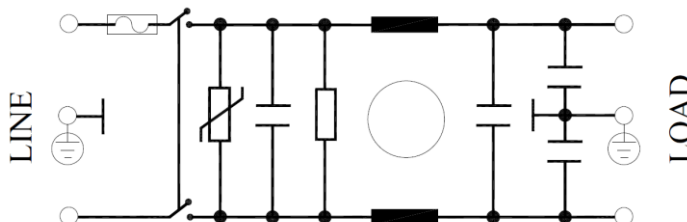
General purpose -



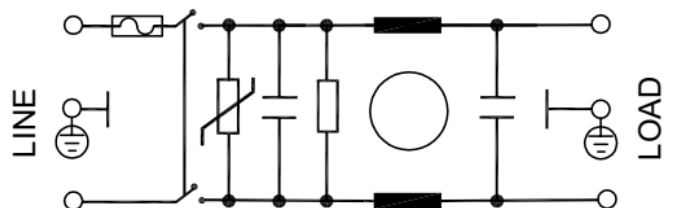
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -



Datasheet | EB05

EP-372-F1 Series



El.italia EC-EB05[EP-372-F1] serie

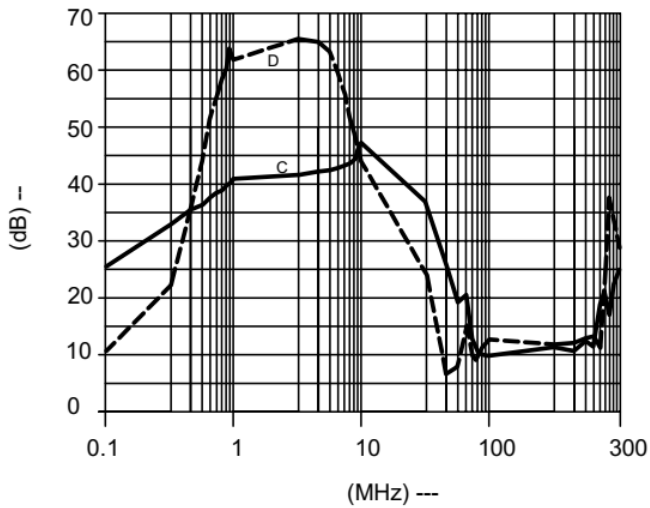
Filter attenuation graph

C = Common mode (asymmetrical) ———

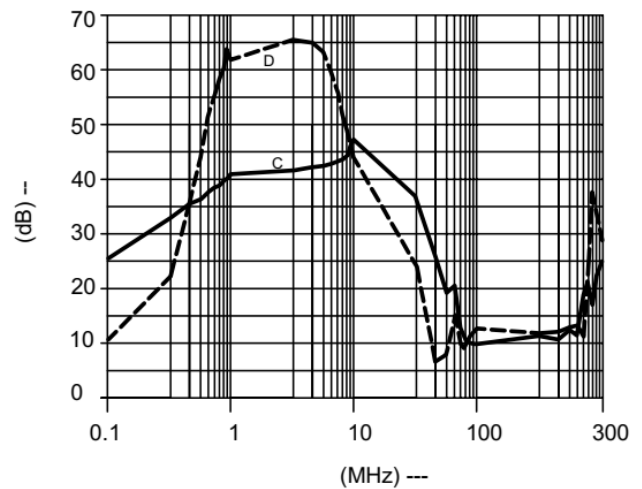
D = Differential mode (symmetrical) -----

For general purpose

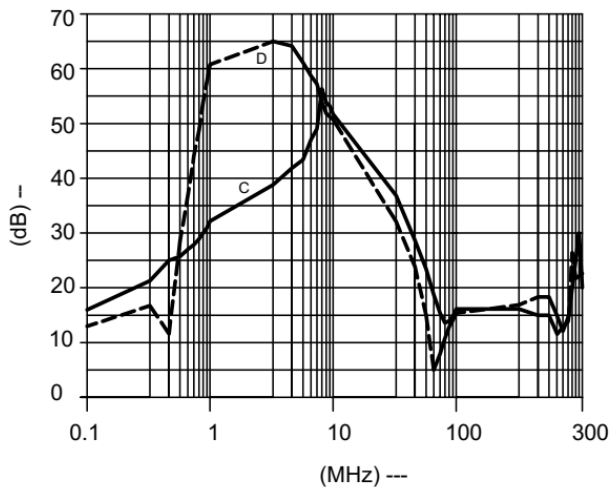
For 1A



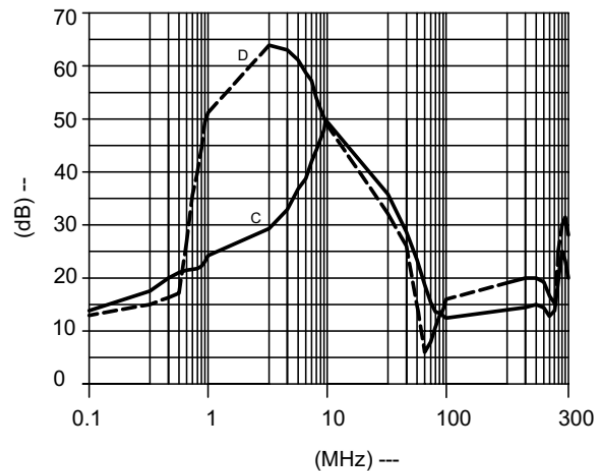
For 3A



For 6A




For 10A





Product Selection Table –

El.italia EC-EB05[EP-372-F1] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VA C	Terminal Fast-on 	Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. weight (gm)	Attenuation
1	EF-1B001B01E-B05	1	< 0.5	B	----	----	130	Standard
2	EF-1B001B02E- B05	1	< 0.5	B	6.5	175	130	Standard
3	EF-1B001B03E- B05	1	< 0.003	B	----	----	130	Standard
4	EF-1B001B04E- B05	1	< 0.003	B	6.5	175	130	Standard
5	EF-1B003B01E- B05	3	< 0.5	B	----	----	130	Standard
6	EF-1B003B02E- B05	3	< 0.5	B	6.5	175	130	Standard
7	EF-1B003B03E- B05	3	< 0.003	B	----	----	130	Standard
8	EF-1B003B04E- B05	3	< 0.003	B	6.5	175	130	Standard
9	EF-1B006B01E- B05	6	< 0.5	B	----	----	130	Standard
10	EF-1B006B02E- B05	6	< 0.5	B	6.5	175	130	Standard
11	EF-1B006B03E- B05	6	< 0.003	B	----	----	130	Standard
12	EF-1B006B04E- B05	6	< 0.003	B	6.5	175	130	Standard
9	EF-1B010B01E- B05	10	< 0.5	B	----	----	130	Standard
10	EF-1B010B02E- B05	10	< 0.5	B	6.5	175	130	Standard
11	EF-1B010B03E- B05	10	< 0.003	B	----	----	130	Standard
12	EF-1B010B04E- B05	10	< 0.003	B	6.5	175	130	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.
- Customize products provided on request.

Datasheet | EB05

EP-372-F1 Series



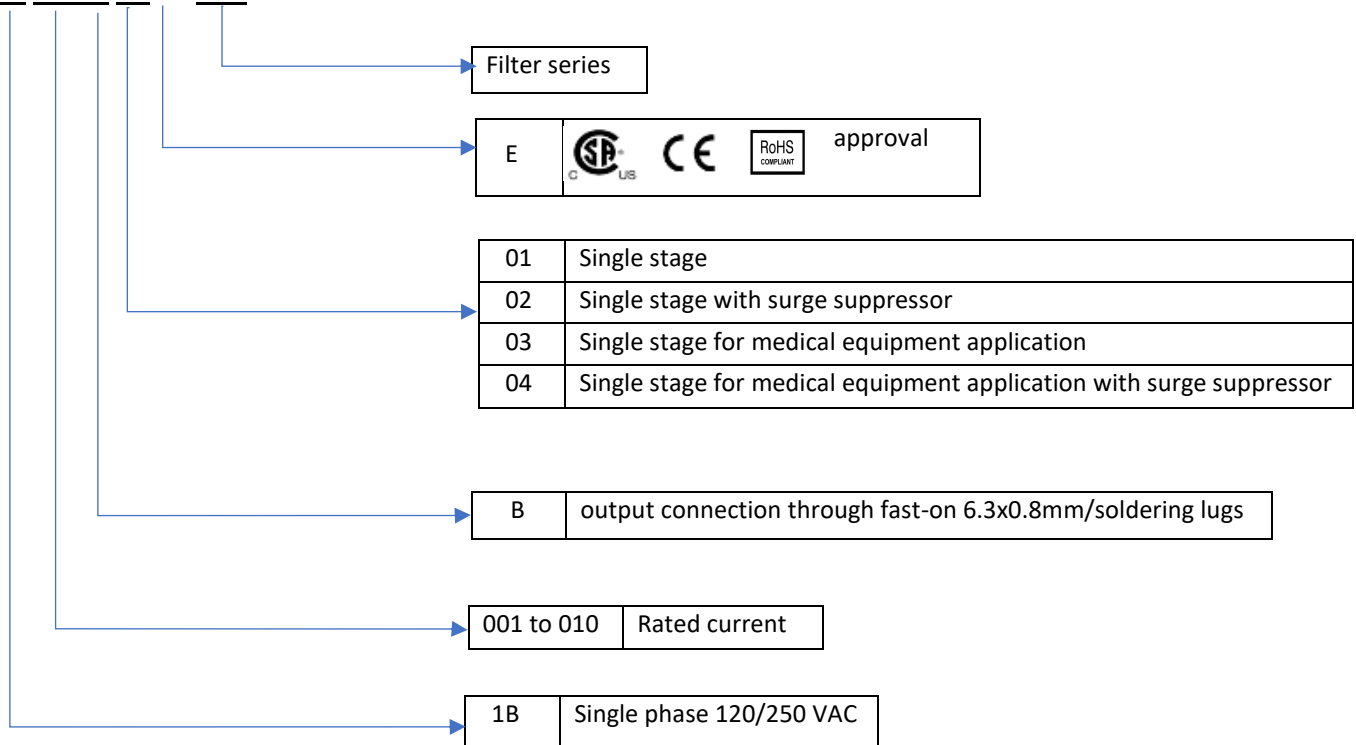
Connection Type

El.italia EC-EB05[EP-372-F1] serie

Current rating (A)	Fast -on	Earthing
1, 3 & 6	6.3 X 0.8mm	6.3 X 0.8mm
10		

Syntax

EF - 1B CCC B YY E - B05



Datasheet | EB06 EP-372-F2 Series



General Purpose AC EMI Filter

El.italia EC-EB06[EP-372-F2] serie



*Image shown is for illustrative purpose only

Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | Single stage.
- | High reliable.
- | Provision of single fuse holder.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Input connection through IEC 60320 C14 plug.
- | Output connection with fast-on.
- | Available with black non-illuminated switch.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage

Standard

Application

- | Portable electrical and electronic equipment
- | Datacom equipment
- | Control Panel
- | Medical equipment
- | SMPS
- | Test and measurement equipment

Datasheet | EB06

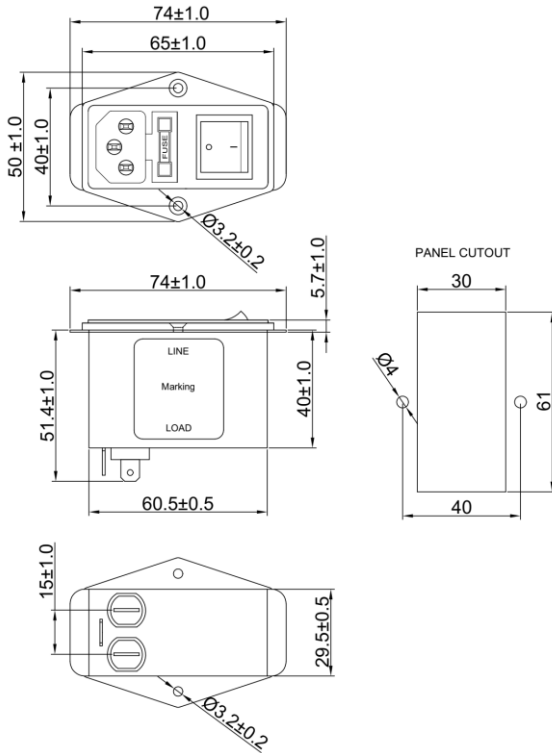
EP-372-F2 Series



El.italia EC-EB06[EP-372-F2] serie

Mechanical details

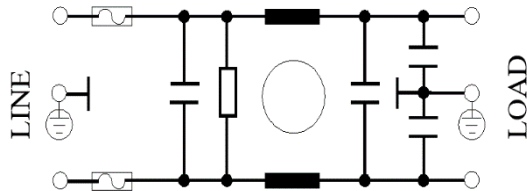
Fast-on terminal



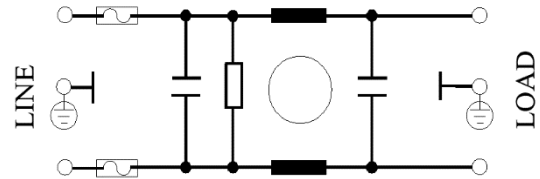
All dimensions in mm.
General tolerance $\pm 1\%$

Electrical schematic for filter

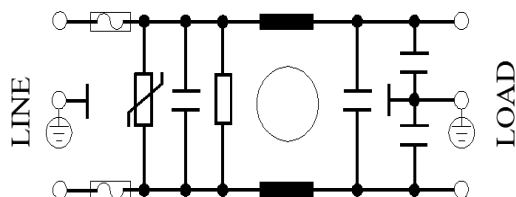
General purpose -



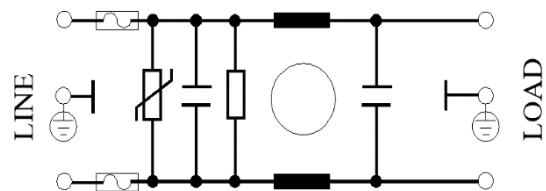
Medical equipment application -



General purpose with surge suppressor -



Medical equipment application with surge suppressor -



Datasheet | EB06

EP-372-F2 Series



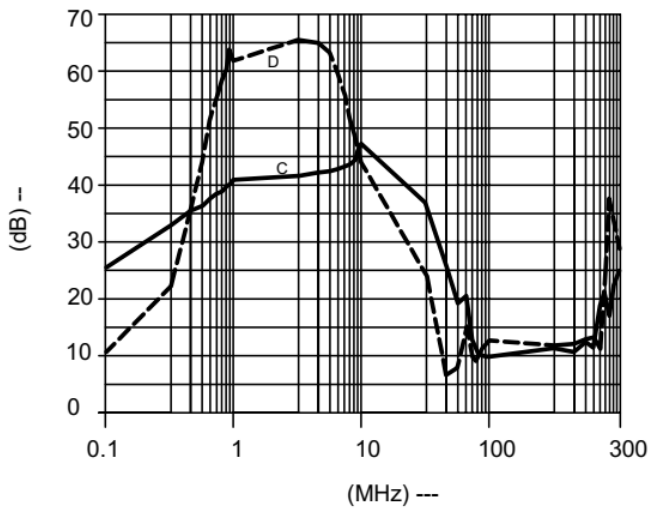
El.italia EC-EB06[EP-372-F2] serie

Filter attenuation graph

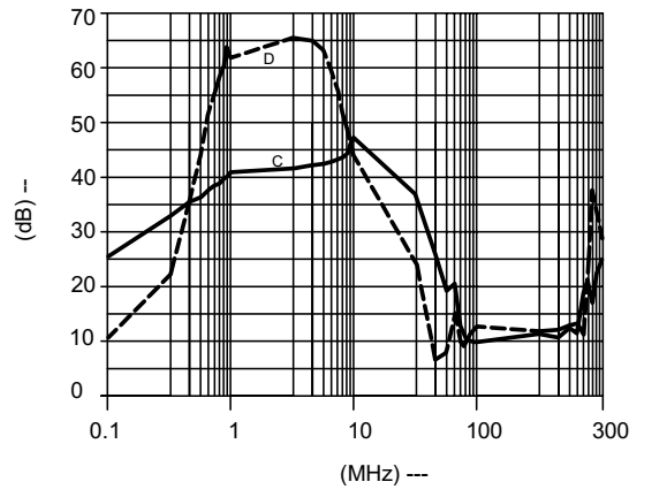
C = Common mode (asymmetrical) _____
 D = Differential mode (symmetrical) -----

For general purpose

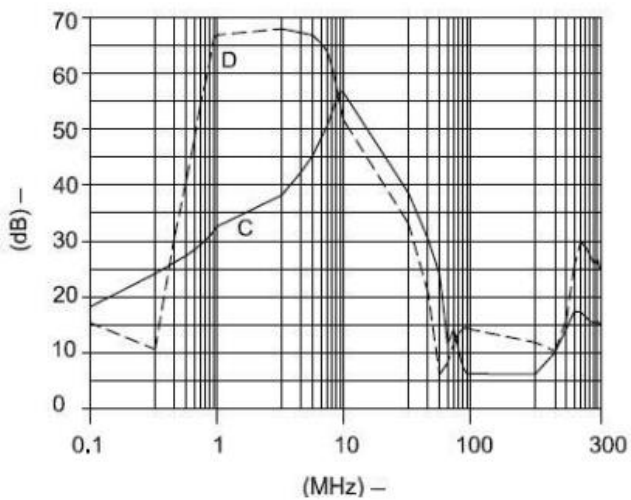
For 1A



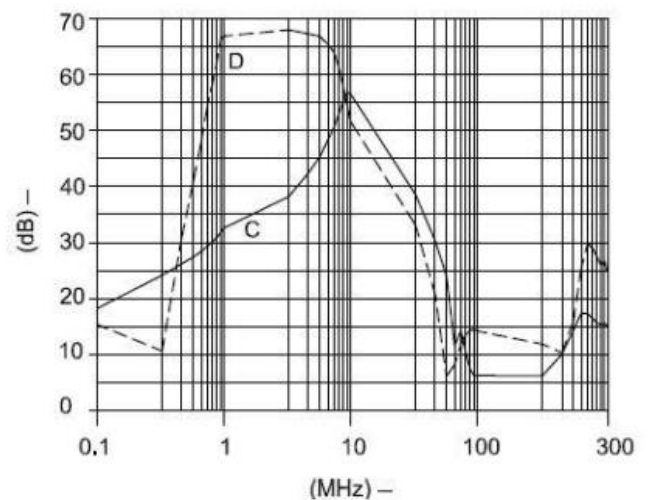
For 3A



For 6A



For 10A




Datasheet | EB06

EP-372-F2 Series



Product Selection Table –

El.italia EC-EB06[EP-372-F2] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VA C	Terminal Fast-on 	Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. weight (gm)	Attenuation
1	EF-1B001B01E-B06	1	< 0.5	B	----	----	150	Standard
2	EF-1B001B02E- B06	1	< 0.5	B	6.5	175	150	Standard
3	EF-1B001B03E- B06	1	< 0.003	B	----	----	150	Standard
4	EF-1B001B04E- B06	1	< 0.003	B	6.5	175	150	Standard
5	EF-1B003B01E- B06	3	< 0.5	B	----	----	150	Standard
6	EF-1B003B02E- B06	3	< 0.5	B	6.5	175	150	Standard
7	EF-1B003B03E- B06	3	< 0.003	B	----	----	150	Standard
8	EF-1B003B04E- B06	3	< 0.003	B	6.5	175	150	Standard
9	EF-1B006B01E- B06	6	< 0.5	B	----	----	150	Standard
10	EF-1B006B02E- B06	6	< 0.5	B	6.5	175	150	Standard
11	EF-1B006B03E- B06	6	< 0.003	B	----	----	150	Standard
12	EF-1B006B04E- B06	6	< 0.003	B	6.5	175	150	Standard
13	EF-1B010B01E- B06	10	< 0.5	B	----	----	150	Standard
14	EF-1B010B02E- B06	10	< 0.5	B	6.5	175	150	Standard
15	EF-1B010B03E- B06	10	< 0.003	B	----	----	150	Standard
16	EF-1B010B04E- B06	10	< 0.003	B	6.5	175	150	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.
- Customize products provided on request.

Datasheet | EB06

EP-372-F2 Series



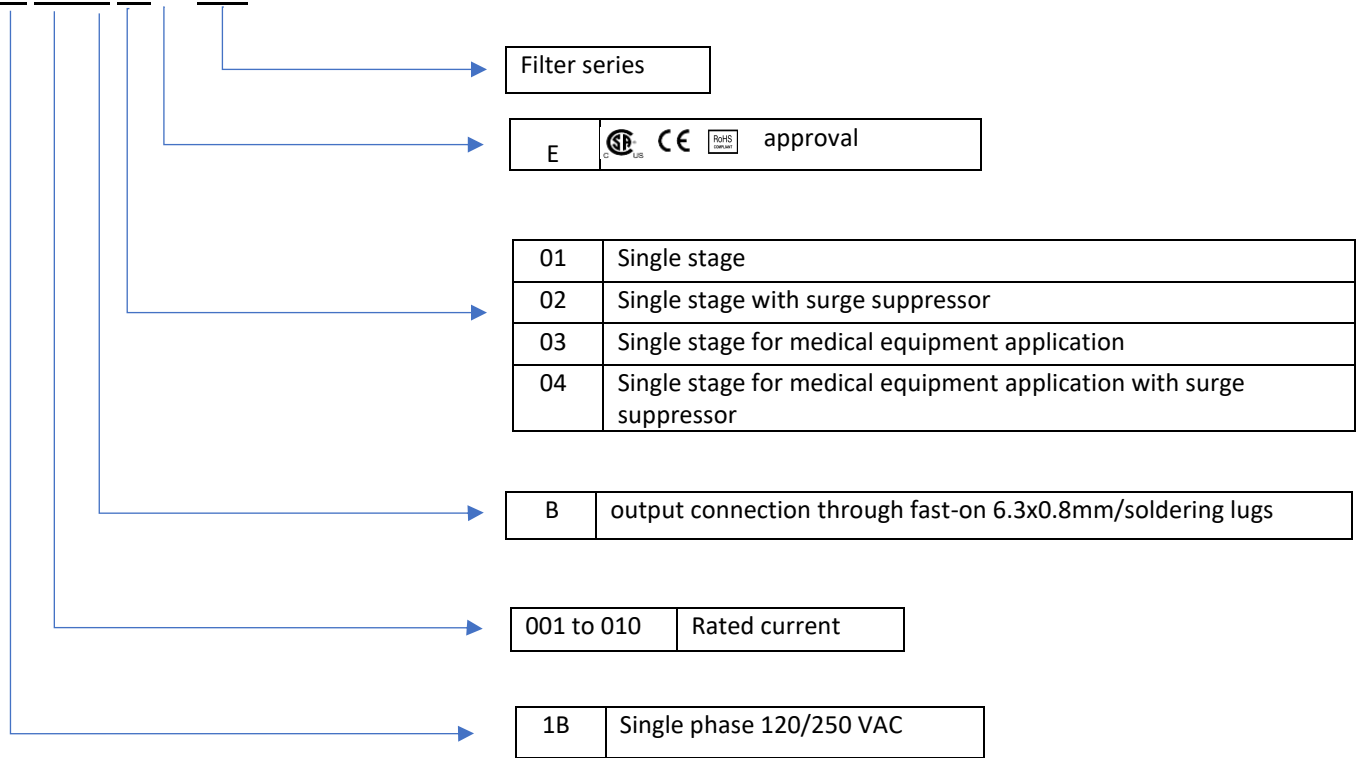
Connection Type

El.italia EC-EB06[EP-372-F2] serie

Current rating (A)	Input	Output
1, 3,6 & 10	IEC 60320 compatible plug	Fast -on 6.3 X 0.8mm

Syntax

EF - 1B CCC B YY E - B06



Datasheet | EB07

EP-361-F1 Series



General Purpose AC EMI Filter

El.italia EC-EB07[EP-361-F1] serie



Image shown is for illustrative purpose only

Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable for excluding surge suppressor filters)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards
- | Filter available in panel mounting provision.
- | High reliable
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection.
- | Provides single fuse protection.
- | Input connection through IEC 60320 C14 plug
- | Have choice to select output connection type.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage Standard

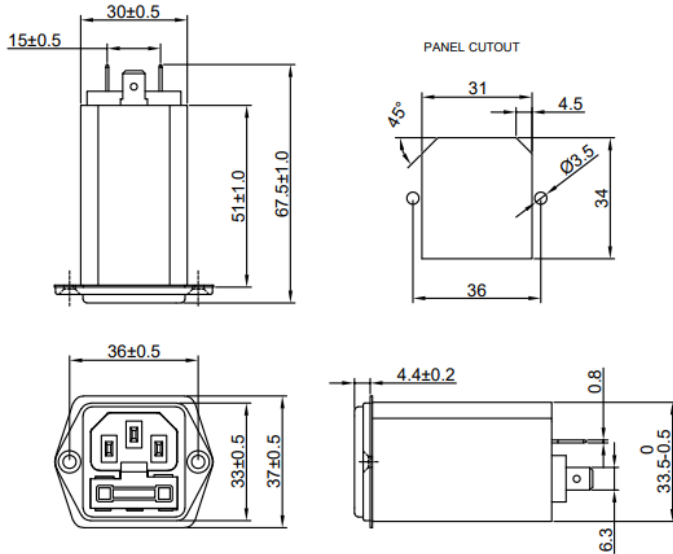
Application

- | Consumer product
- | Medical equipment
- | Industrial application
- | Weighing machines
- | Electrical automation equipment
- | Testing and measurement equipment



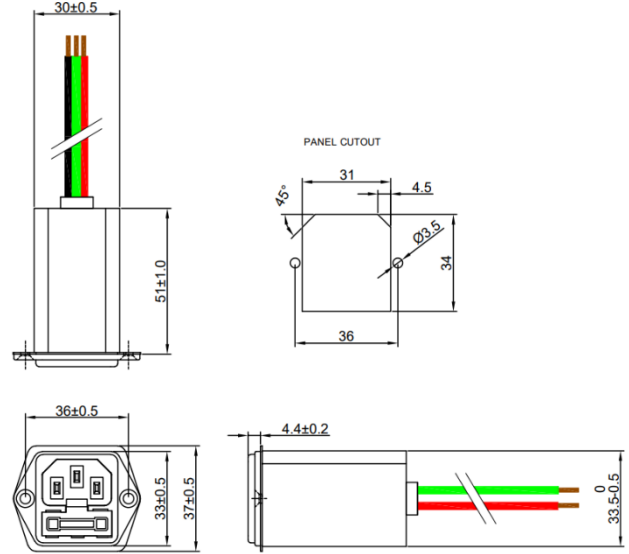
Mechanical details

| For Fast-on terminal



All dimensions in mm

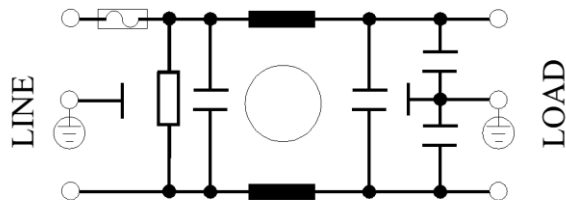
| For wire lead terminal



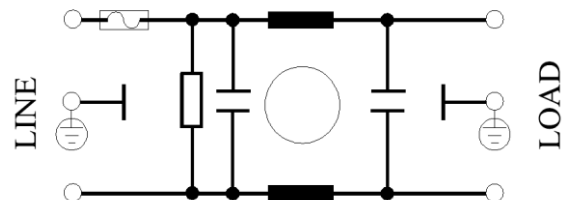
All dimensions in mm

Electrical schematic for Single Stage Filter

General Purpose -



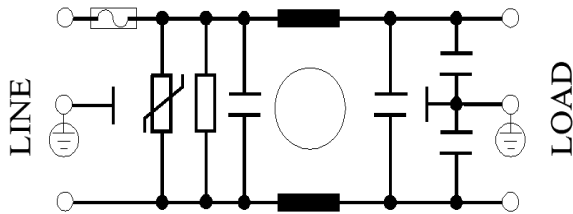
Medical equipment application -



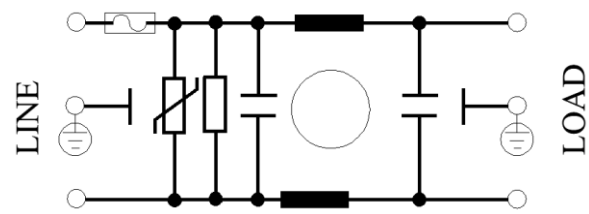


El.italia EC-EB07[EP-361-F1] serie

General Purpose with Surge Suppressor –



Medical equipment application with Surge Suppressor -

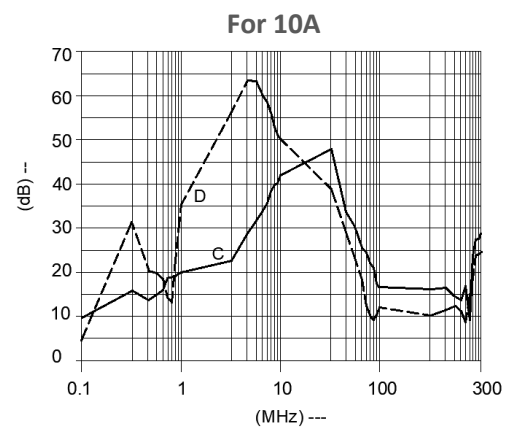
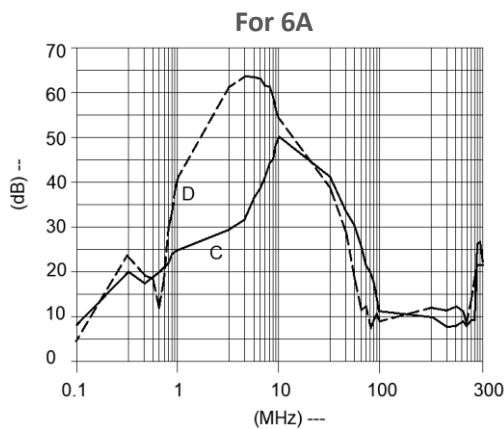
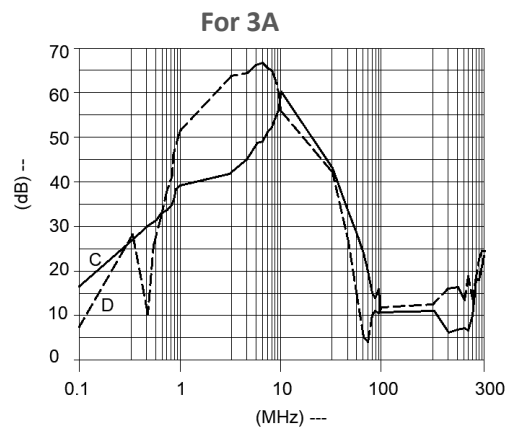
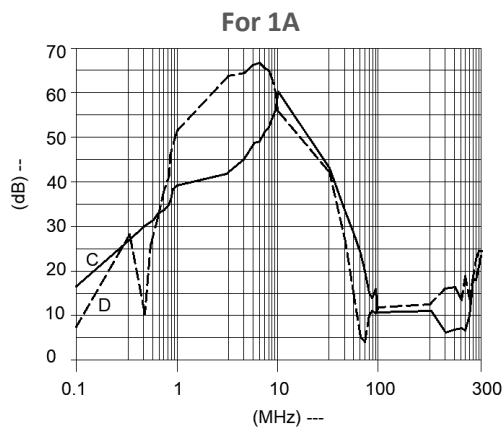


Filter attenuation Graph

C = Common mode (asymmetrical) ———

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



For General purpose





Filter Selection Table

El.italia EC-EB07[EP-361-F1] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Output terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/100 0 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on 	Wire 				
1	EF-1B001X01E-B07	1	< 0.5	B	G	----	----	80	Standard
2	EF-1B001X02E-B07	1	< 0.5	B	G	6.5	175	80	Standard
3	EF-1B001X03E-B07	1	< 0.003	B	G	----	----	80	Standard
4	EF-1B001X04E-B07	1	< 0.003	B	G	6.5	175	80	Standard
5	EF-1B003X01E-B07	3	< 0.5	B	G	----	----	80	Standard
6	EF-1B003X02E-B07	3	< 0.5	B	G	6.5	175	80	Standard
7	EF-1B003X03E-B07	3	< 0.003	B	G	----	----	80	Standard
8	EF-1B003X04E-B07	3	< 0.003	B	G	6.5	175	80	Standard
9	EF-1B006X01E-B07	6	< 0.5	B	G	----	----	80	Standard
10	EF-1B006X02E-B07	6	< 0.5	B	G	6.5	175	80	Standard
11	EF-1B006X03E-B07	6	< 0.003	B	G	----	----	80	Standard
12	EF-1B006X04E-B07	6	< 0.003	B	G	6.5	175	80	Standard
13	EF-1B010X01E-B07	10	< 0.5	B	G	----	----	80	Standard
14	EF-1B010X02E-B07	10	< 0.5	B	G	6.5	175	80	Standard
15	EF-1B010X03E-B07	10	< 0.003	B	G	----	----	80	Standard
16	EF-1B010X04E-B07	10	< 0.003	B	G	6.5	175	80	Standard

- To compile complete part number, replace the 'X' with required output connection terminal. (e.g. EF-1B001B01E-B07)
- 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.

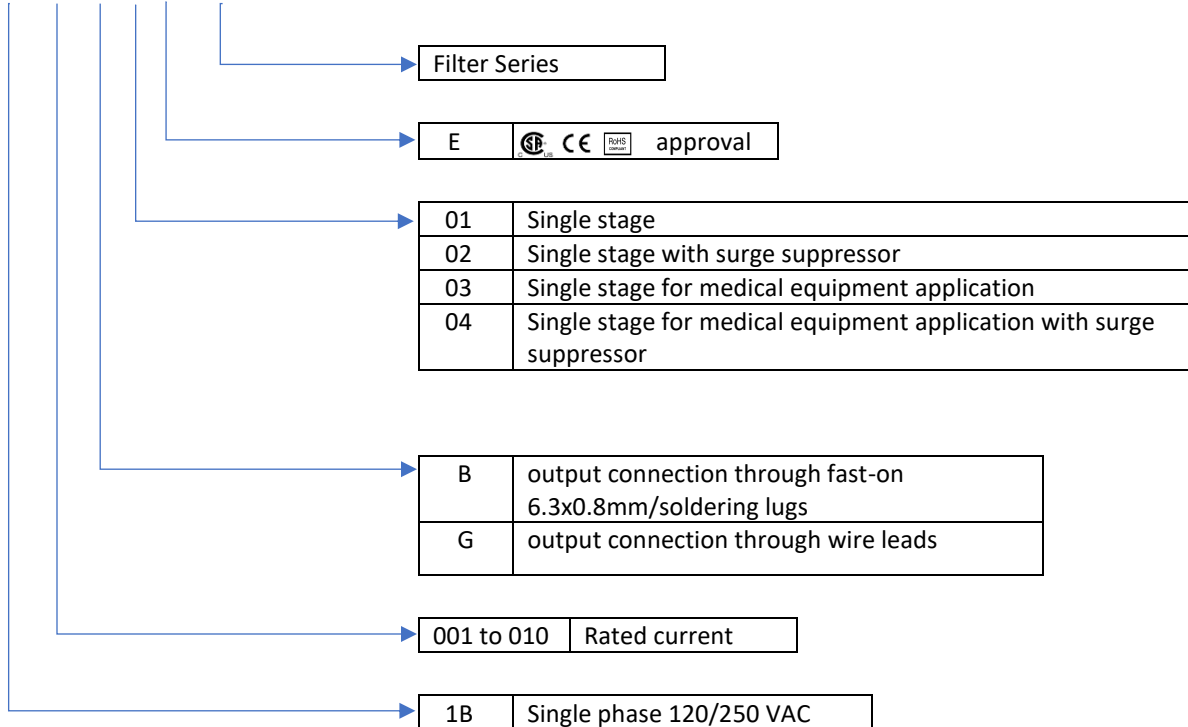


Connection Type

Current Rating (A)	Fast -on	Wire	Earthing
1,3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads
10		14AWG	

Syntax

EF - 1B CCC X YY Z - B07



Datasheet | EB08

EP-361-F2 Series



General Purpose AC EMI Filter

El.italia EC-EB08[EP-361-F2] serie



Image shown is for illustrative purpose only

Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-10A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable for excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards
- | Filter available in panel mounting provision with deep drawn metal can.
- | High reliable
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection
- | Provides double fuse protection.
- | Input connection through IEC 60320 C14 plug
- | Have choice to select output connection type.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

- Single Stage
- Standard**

Applications

- | Consumer product
- | Defence application
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Test and measurement equipment

Datasheet | EB08

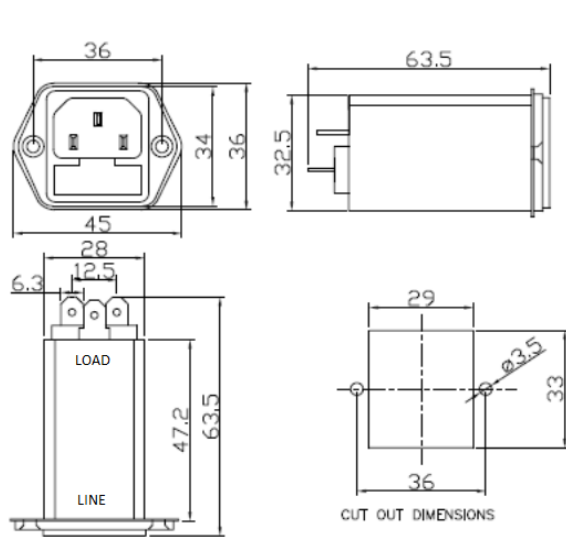
EP-361-F2 Series



El.italia EC-EB08[EP-361-F2] serie

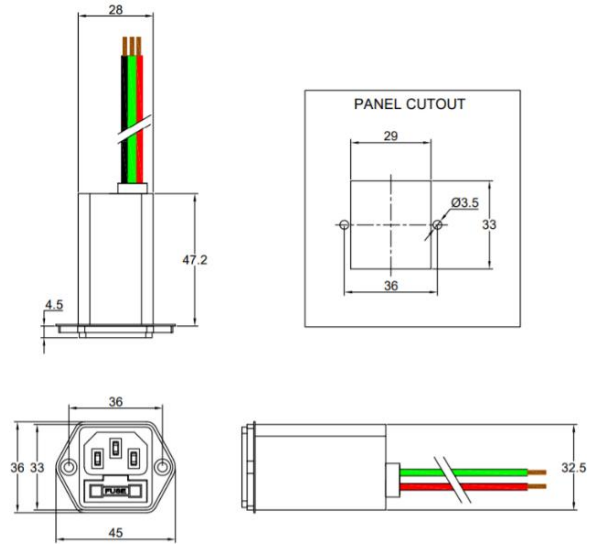
Mechanical details

I For Fast-on terminal



All dimensions are in mm

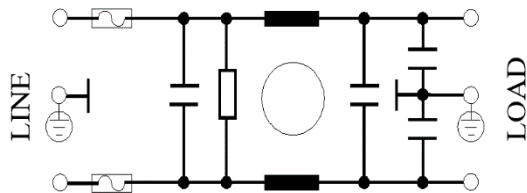
I For wire terminal



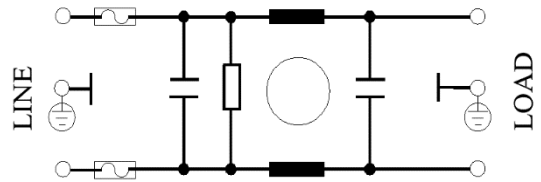
All dimensions are in mm

Electrical schematic

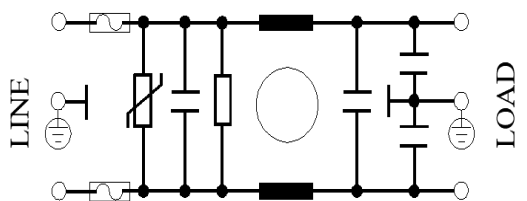
General Purpose -



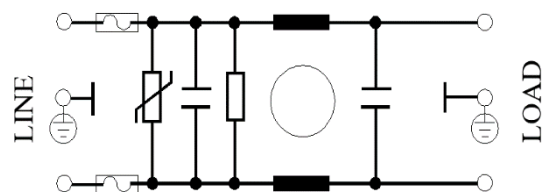
Medical equipment application -



General Purpose with Surge Suppressor -



Medical equipment application with Surge Suppressor -





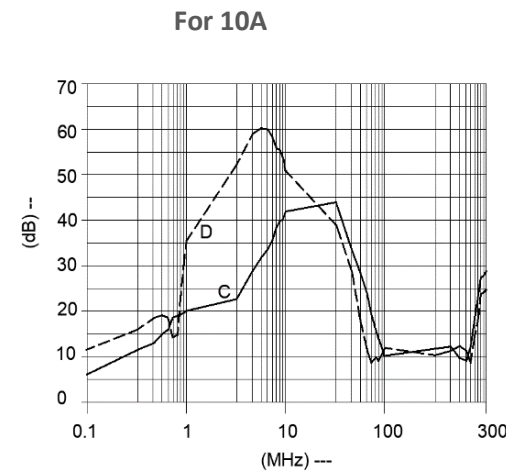
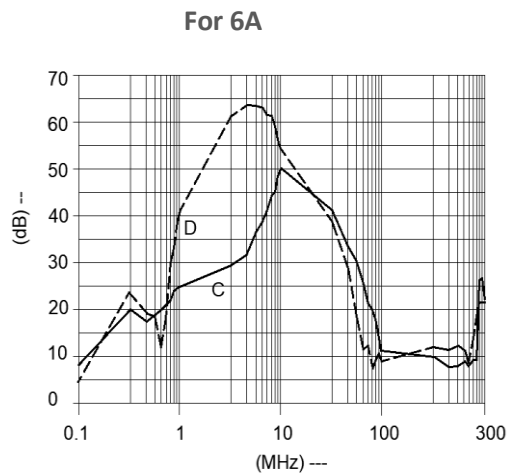
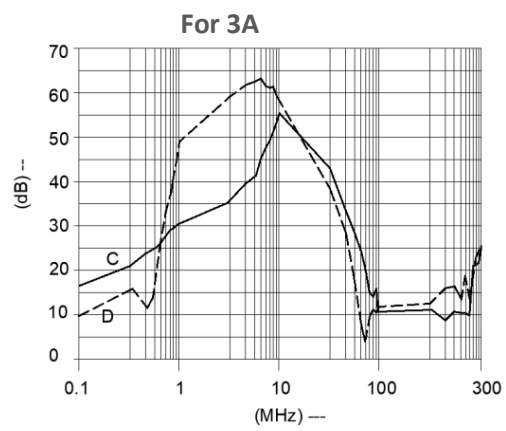
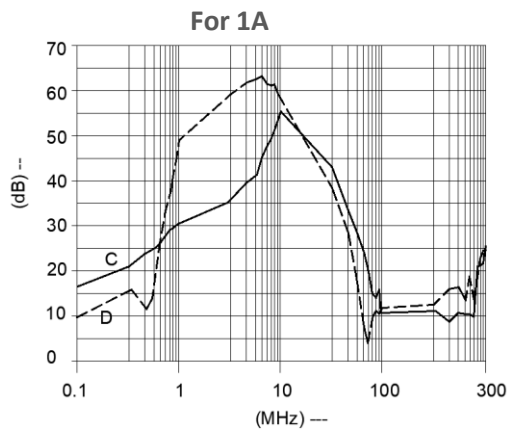
El.italia EC-EB08[EP-361-F2] serie

Filter attenuation Graph

C = Common mode (asymmetrical) -----

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



For General purpose





Filter selection table

El.italia EC-EB08[EP-361-F2] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on 	Wire 				
1	EF-1B001X01E-B08	1	< 0.5	B	G	----	----	85	Standard
2	EF-1B001X02E- B08	1	< 0.5	B	G	6.5	175	85	Standard
3	EF-1B001X03E- B08	1	< 0.003	B	G	----	----	85	Standard
4	EF-1B001X04E- B08	1	< 0.003	B	G	6.5	175	85	Standard
5	EF-1B003X01E- B08	3	< 0.5	B	G	----	----	85	Standard
6	EF-1B003X02E- B08	3	< 0.5	B	G	6.5	175	85	Standard
7	EF-1B003X03E- B08	3	< 0.003	B	G	----	----	85	Standard
8	EF-1B003X04E- B08	3	< 0.003	B	G	6.5	175	85	Standard
9	EF-1B006X01E- B08-A	6	< 0.5	B	G	----	----	85	Standard
10	EF-1B006X02E- B08	6	< 0.5	B	G	6.5	175	85	Standard
11	EF-1B006X03E- B08	6	< 0.003	B	G	----	----	85	Standard
12	EF-1B006X04E- B08	6	< 0.003	B	G	6.5	175	85	Standard
13	EF-1B010X01E- B08	10	< 0.5	B	G	----	----	85	Standard
14	EF-1B010X02E- B08	10	< 0.5	B	G	6.5	175	85	Standard
15	EF-1B010X03E- B08	10	< 0.003	B	G	----	----	85	Standard
16	EF-1B010X04E- B08	10	< 0.003	B	G	6.5	175	85	Standard

- To compile complete part number, replace the 'X' with required output connection terminal. (e.g. EF-1B001B01E-B08)
- For fast-on terminal product have 6.3 X 0.8mm earthing terminal and for wire leads product have wired earthing.
- Customize products provided on request.

Datasheet | EB08

EP-361-F2 Series



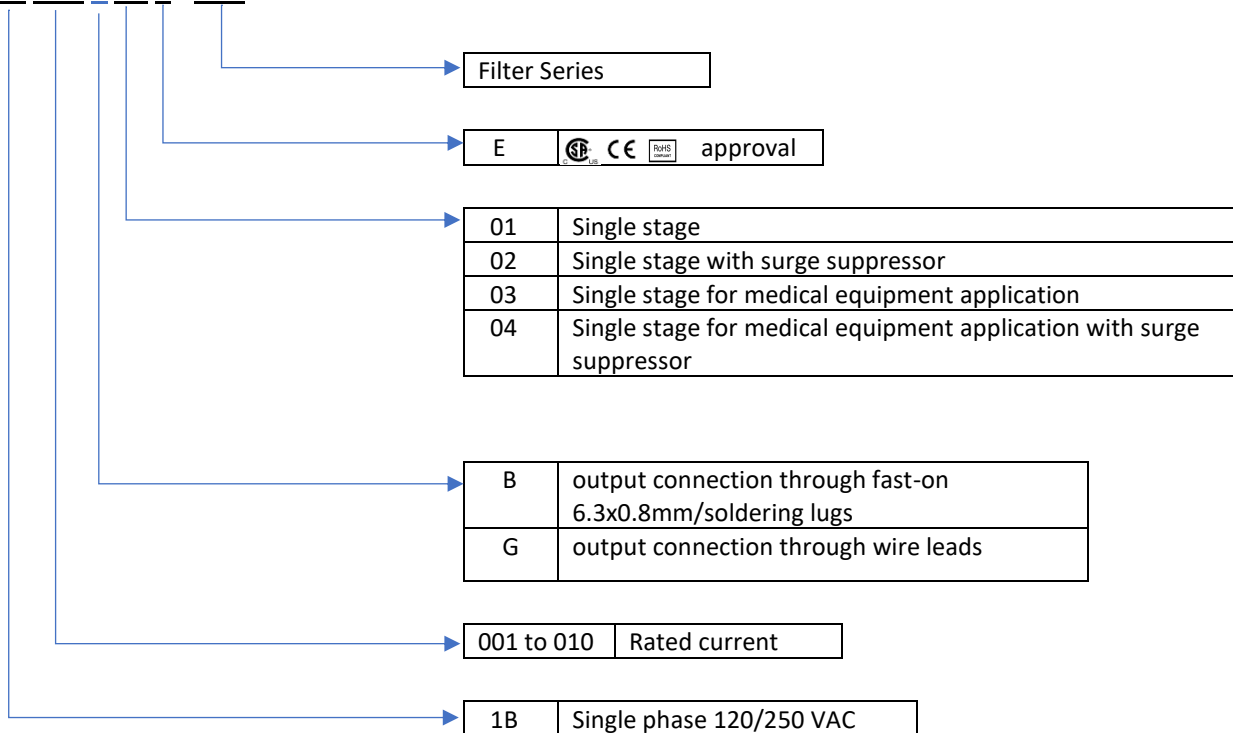
Connection Type

El.italia EC-EB08[EP-361-F2] serie

Current Rating (A)	Fast -on	Wire	Earthing
1,3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads-
10		14AWG	

Syntax

EF - 1B CCC X YY Z - B08





General Purpose AC EMI Filter

El.italia EC-EB10[EP-442] serie



Technical specifications

Operating voltage	85-264 VAC
Current rating	3A
Frequency	47 to 63 Hz
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

*Image shown is for illustrative purpose only

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.

Attenuation Type

Double Stage **High**

Applications

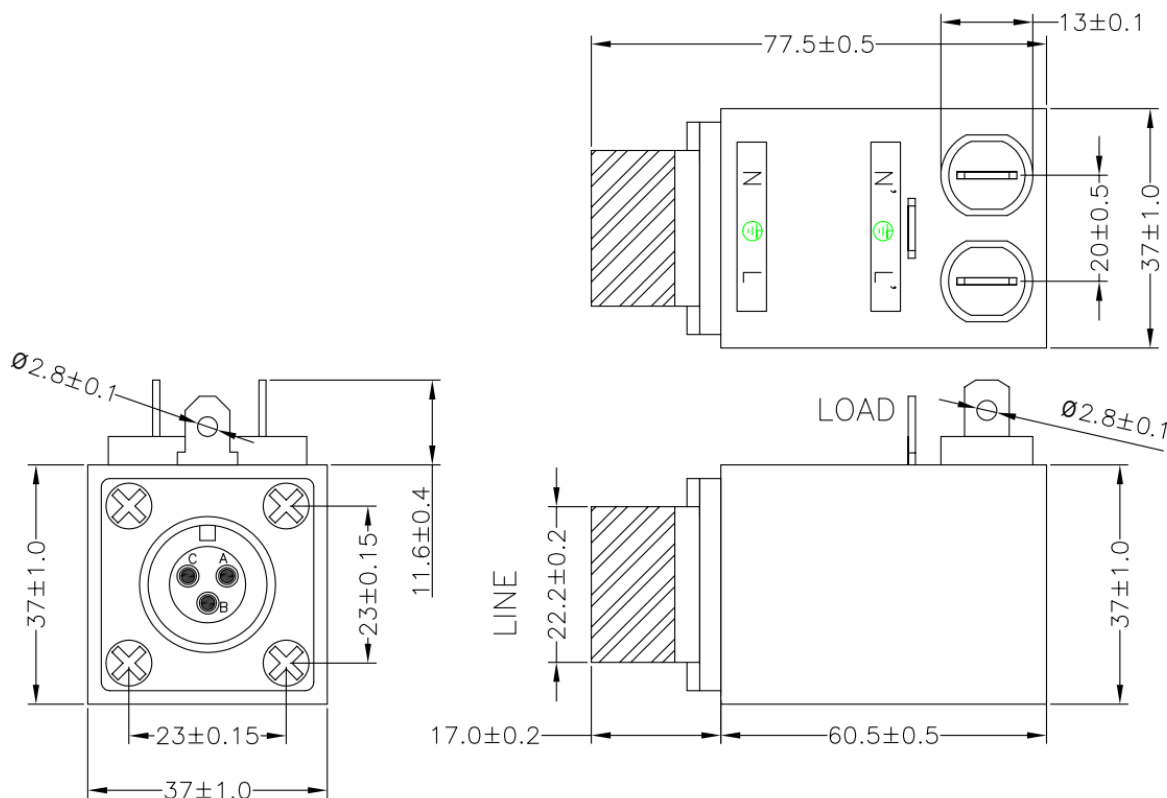
- | Defence application
- | Aerospace application
- | Military application
- | Industrial application
- | Electrical equipment application



Mechanical details

El.italia EC-EB10[EP-442] serie

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



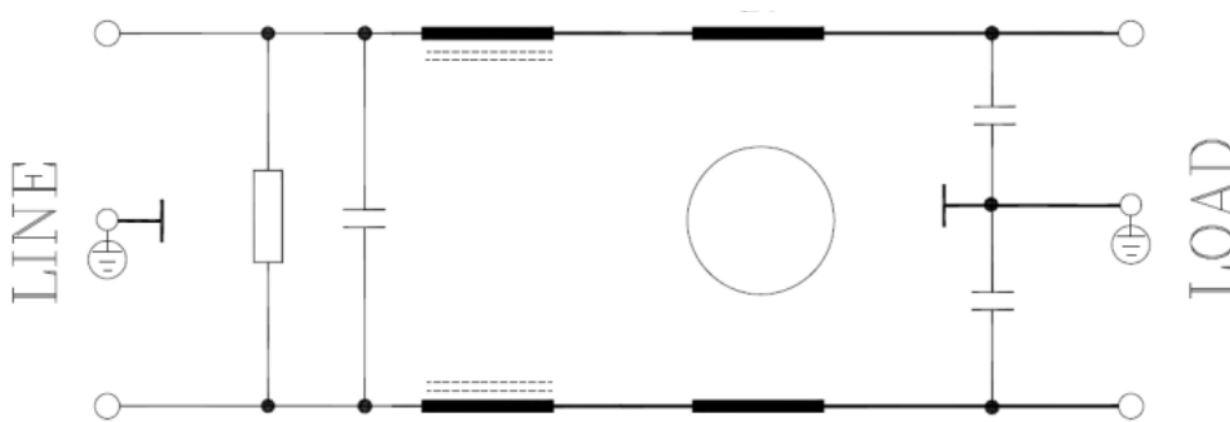
All dimensions in mm



El.italia EC-EB10[EP-442] serie

Electrical schematic for Double Stage Filter

General purpose -

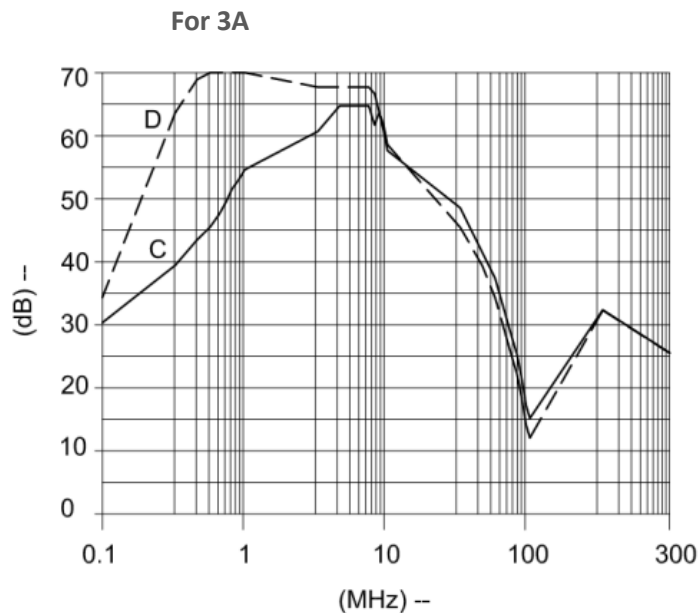


Filter attenuation Graph

C = Common mode (asymmetrical) —————

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



For general application (Double Stage)





Filter Selection Table

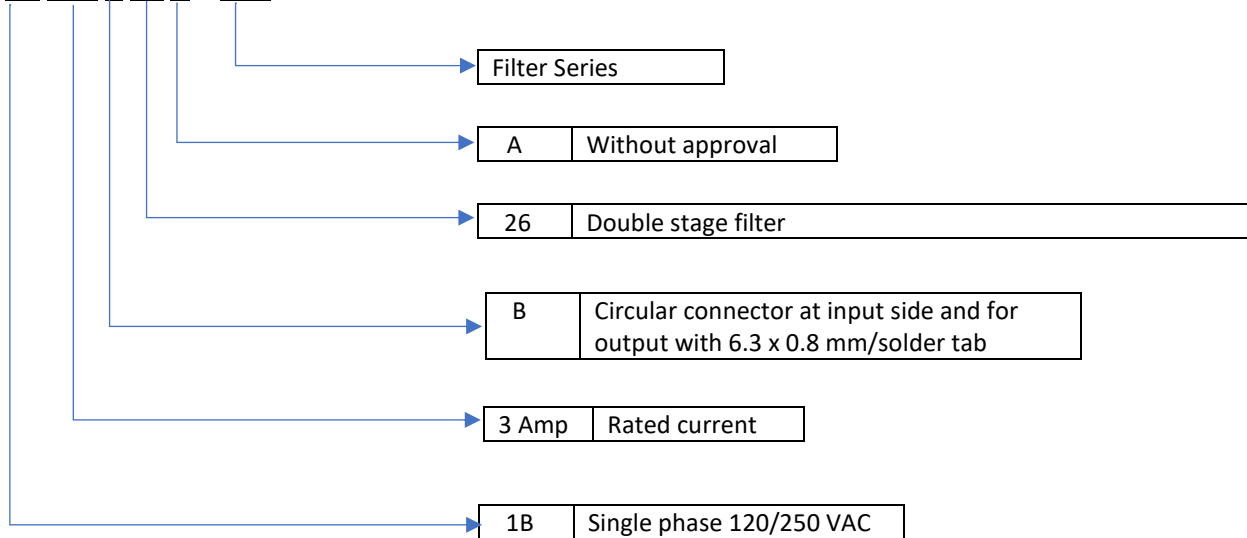
El.italia EC-EB10[EP-442] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	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.

Syntax

EF - 1B CCC B YY A - B10





General Purpose AC EMI Filter

El.italia EC-EB14 serie



Image shown is for illustrative purpose only

Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-20A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable for excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | Filters available in single stage and double stage.
- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in snap fit provision.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection
- | High reliable
- | Input connection through IEC 60320 C20 plug
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage	Standard
Double Stage	High

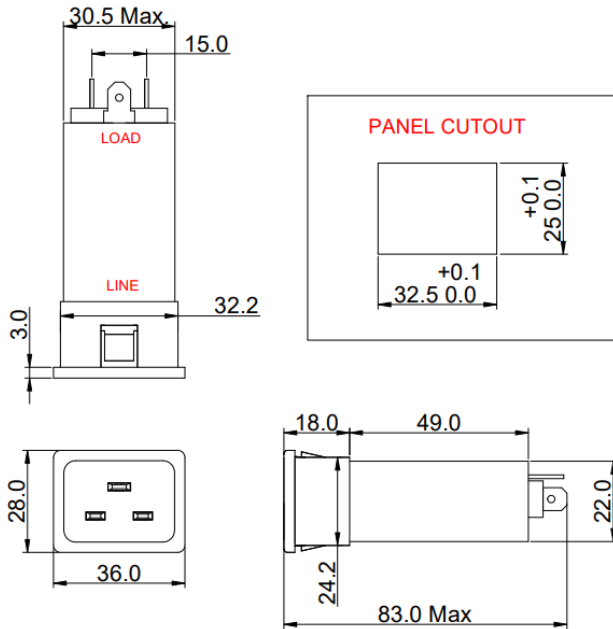
Applications

- | Consumer product
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Solar inverter



Mechanical details

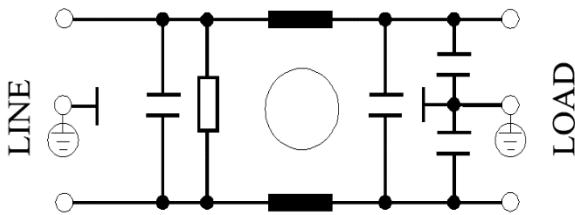
I For fast-on terminal



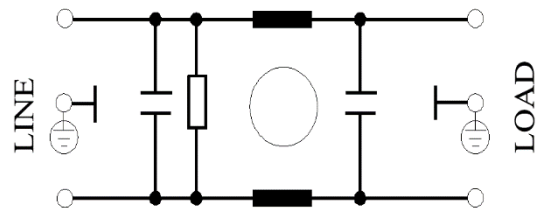
All Dimension in mm
General tolerance=±1mm

Electrical schematic for Single Stage Filter

General purpose -

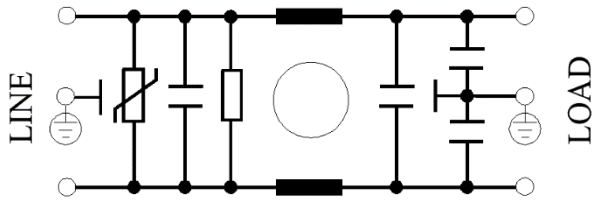


Medical equipment application -

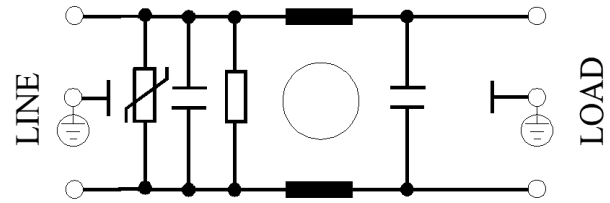




General purpose with Surge Suppressor -

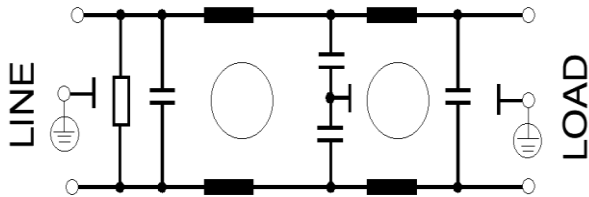


Medical equipment application with Surge Suppressor -

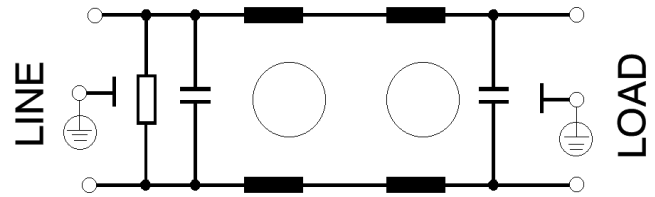


Electrical schematic for Double Stage Filter

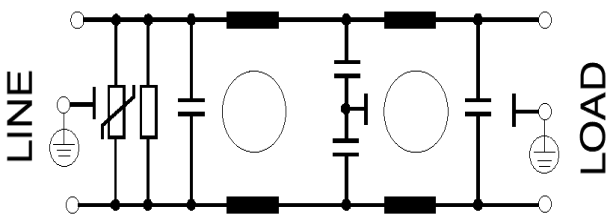
General purpose -



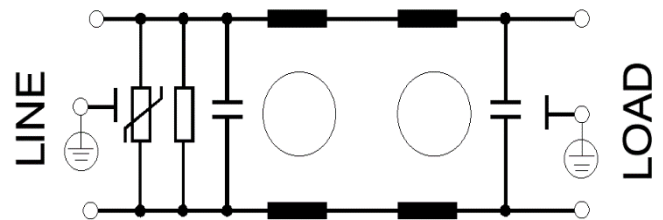
Medical equipment application -



General purpose with Surge Suppressor -



Medical equipment application with Surge Suppressor -





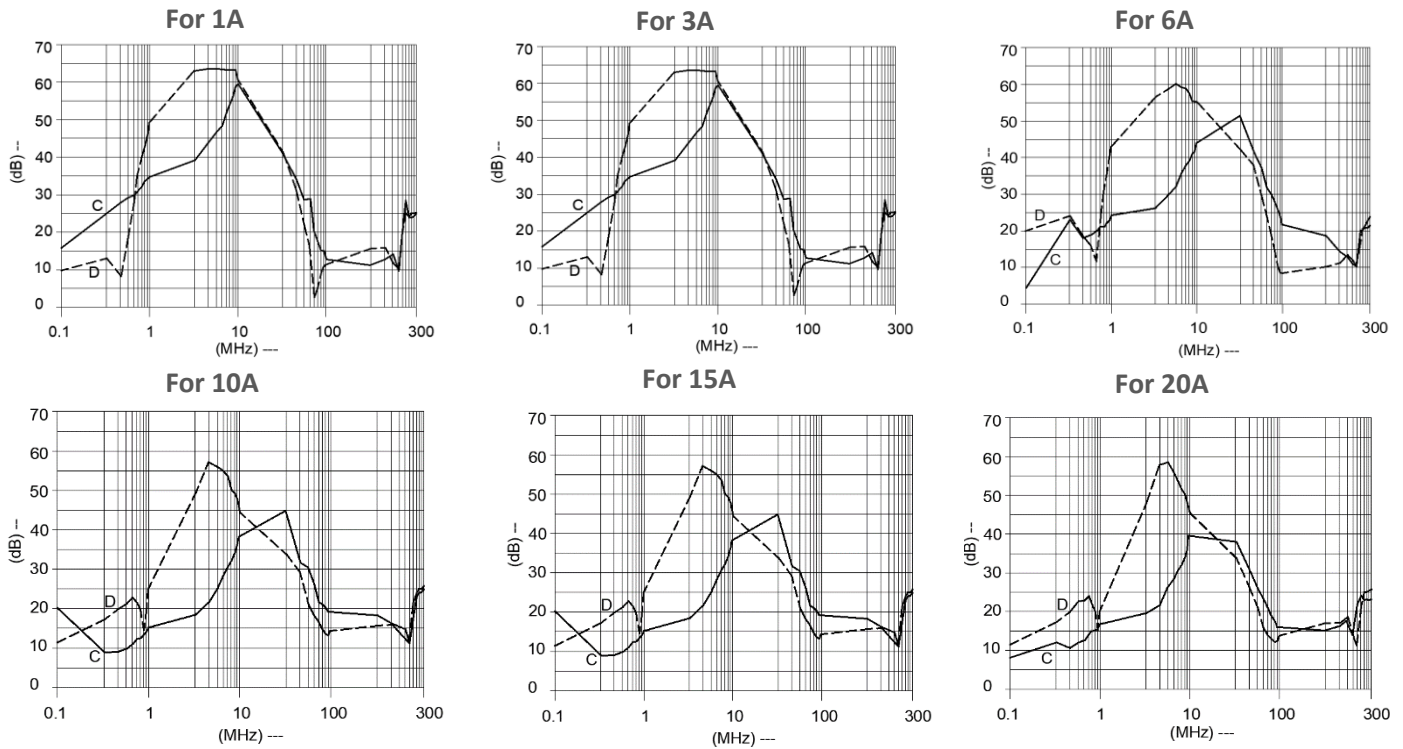
El.italia EC-EB14 serie

Filter attenuation Graph

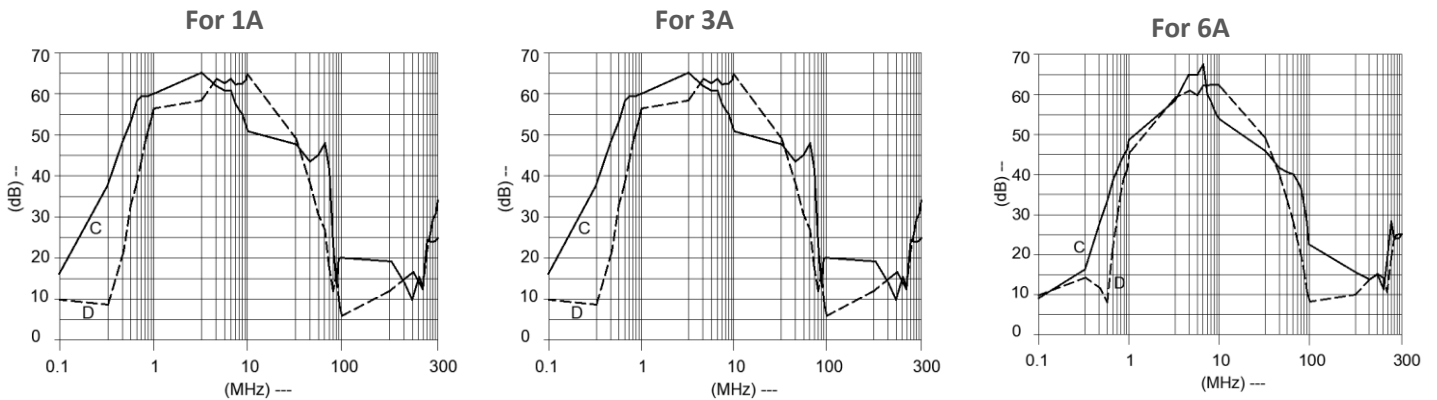
C = Common mode (asymmetrical) -----

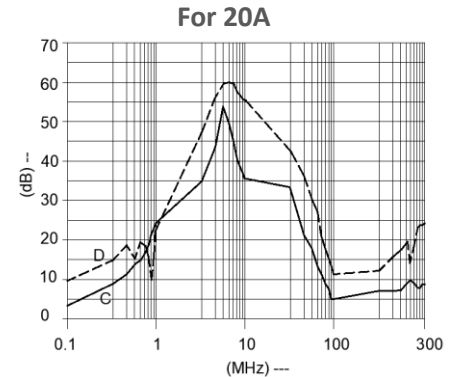
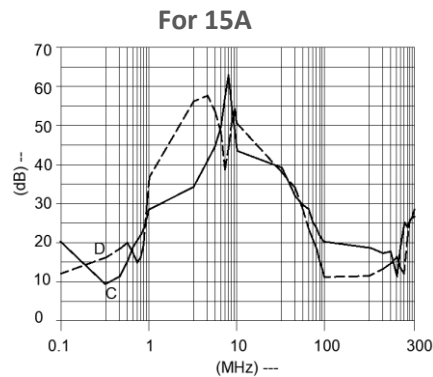
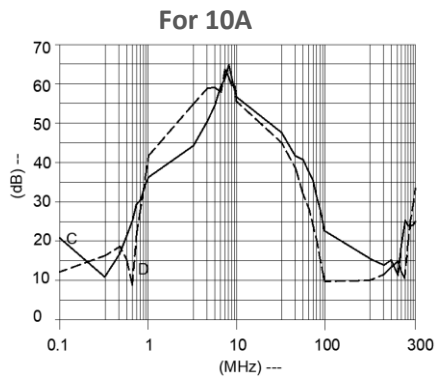
D = Differential mode (symmetrical) -----

For general purpose (Single Stage)




For general purpose (Double Stage)






Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)	Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on 				
1	EF-1B001X01G-B14	1	< 0.5	B	---	---	100	Standard
2	EF-1B001X02G-B14	1	< 0.5	B	6.5	175	100	Standard
3	EF-1B001X03G-B14	1	< 0.003	B	---	---	100	Standard
4	EF-1B001X04G-B14	1	< 0.003	B	6.5	175	100	Standard
5	EF-1B003X01G-B14	3	< 0.5	B	---	---	100	Standard
6	EF-1B003X02G-B14	3	< 0.5	B	6.5	175	100	Standard
7	EF-1B003X03G-B14	3	< 0.003	B	---	---	100	Standard
8	EF-1B003X04G-B14	3	< 0.003	B	6.5	175	100	Standard
9	EF-1B006X01G-B14	6	< 0.5	B	---	---	100	Standard
10	EF-1B006X02G-B14	6	< 0.5	B	6.5	175	100	Standard
11	EF-1B006X03G-B14	6	< 0.003	B	---	---	100	Standard
12	EF-1B006X04G-B14	6	< 0.003	B	6.5	175	100	Standard
13	EF-1B010X01G-B14	10	< 0.5	B	---	---	100	Standard
14	EF-1B010X02G-B14	10	< 0.5	B	6.5	175	100	Standard
15	EF-1B010X03G-B14	10	< 0.003	B	---	---	100	Standard
16	EF-1B010X04G-B14	10	< 0.003	B	6.5	175	100	Standard



Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)	Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on 				
17	EF-1B015X01G-B14	15	< 0.5	B	----	----	90	Standard
18	EF-1B015X02G-B14	15	< 0.5	B	10	350	90	Standard
19	EF-1B015X03G-B14	15	< 0.003	B	----	----	90	Standard
20	EF-1B015X04G-B14	15	< 0.003	B	10	350	90	Standard
21	EF-1B020X01G-B14	20	< 0.5	B	----	----	90	Standard
22	EF-1B020X02G-B14	20	< 0.5	B	10	350	90	Standard
23	EF-1B020X03G-B14	20	< 0.003	B	----	----	90	Standard
24	EF-1B020X04G-B14	20	< 0.003	B	10	350	90	Standard
25	EF-1B001X20G-B14	1	< 0.5	B	----	----	90	High
26	EF-1B001X21G-B14	1	< 0.5	B	6.5	175	100	High
27	EF-1B001X22G-B14	1	< 0.003	B	----	----	100	High
28	EF-1B001X23G-B14	1	< 0.003	B	6.5	175	100	High
29	EF-1B003X20G-B14	3	< 0.5	B	----	----	100	High
30	EF-1B003X21G-B14	3	< 0.5	B	6.5	175	100	High
31	EF-1B003X22G-B14	3	< 0.003	B	----	----	100	High
32	EF-1B003X23G-B14	3	< 0.003	B	6.5	175	100	High
33	EF-1B006X20G-B14	6	< 0.5	B	----	----	100	High
34	EF-1B006X21G-B14	6	< 0.5	B	6.5	175	100	High
35	EF-1B006X22G-B14	6	< 0.003	B	----	----	100	High
36	EF-1B006X23G-B14	6	< 0.003	B	6.5	175	100	High
37	EF-1B010X20G-B14	10	< 0.5	B	----	----	100	High
38	EF-1B010X21E-B14	10	< 0.5	B	6.5	175	100	High
39	EF-1B010X22G-B14	10	< 0.003	B	----	----	100	High
40	EF-1B010X23G-B14	10	< 0.003	B	6.5	175	100	High
41	EF-1B015X20G-B14	15	< 0.5	B	----	----	100	High



Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)	Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Weight (gm)	Attenuation
				Fast-on 				
42	EF-1B015X21G-B14	15	< 0.5	B	10	350	100	High
43	EF-1B015X22G-B14	15	< 0.003	B	----	----	100	High
44	EF-1B015X23G-B14	15	< 0.003	B	10	350	100	High
45	EF-1B020X20G-B14	20	< 0.5	B	----	----	100	High
46	EF-1B020X21G-B14	20	< 0.5	B	10	350	100	High
47	EF-1B020X22G-B14	20	< 0.003	B	----	----	100	High
48	EF-1B020X23G-B14	20	< 0.003	B	10	350	100	High

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-1B001920G-B14)
- 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.

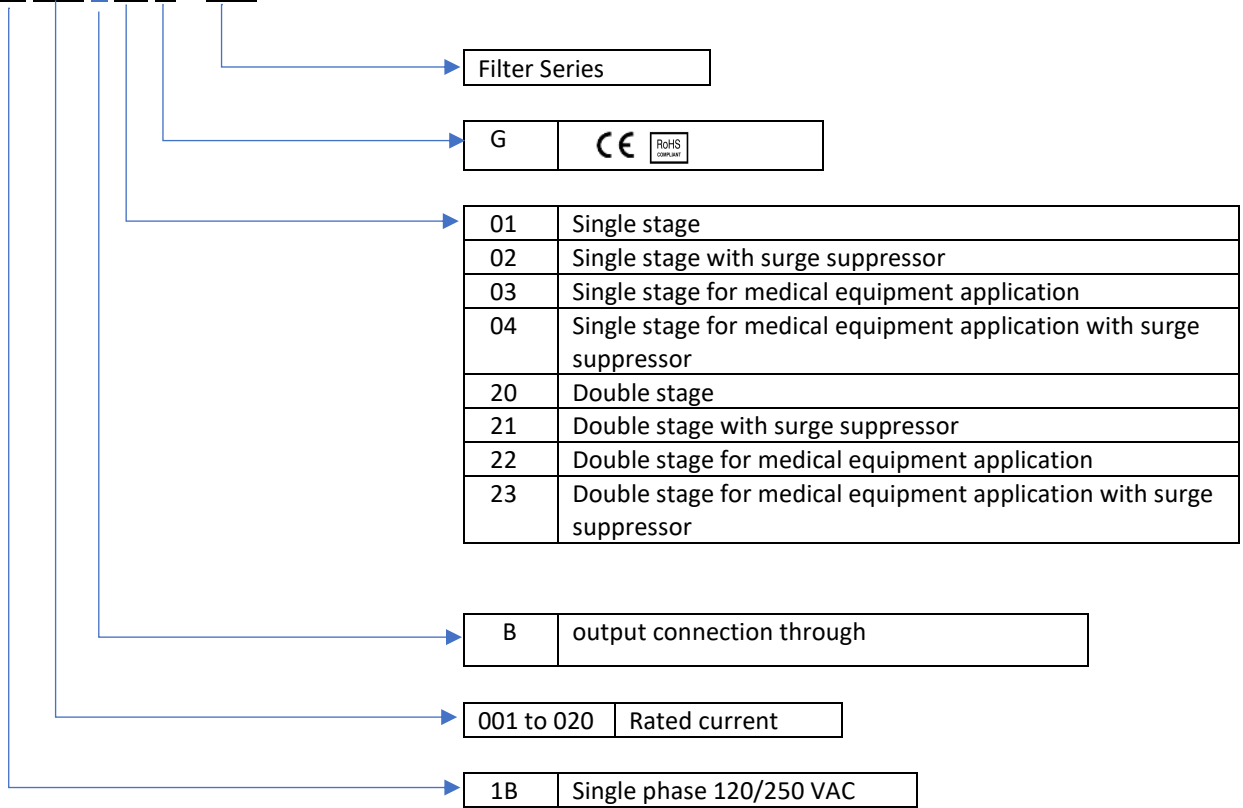
Connection type

Current Rating (A)	Fast-on input & Earthing	Output
1,3 & 6	C20 Inlet	6.3 X 0.8mm
10 & 15		
20		



Syntax

EF - 1B CCC X YY G - B14



Datasheet | EB15

EP-324 Series



General Purpose AC EMI Filter

El.italia EC-EB15 [EP-324] serie



Image shown is for illustrative purpose only



Technical specifications

Operating voltage	120/250 VAC
Current rating	1A-20A
Frequency	50/60Hz
Voltage drop	1 Volt max.
High potential test voltage	P -> E 1500VAC P -> N 1414VDC (applicable for excluding surge suppressor filter)
Insulation resistance	≥ 300 MΩ @ 500VDC (PN→E)
Operating temperature	40°C / -25°C +85°C

Features and benefits

- | Filters available in single stage and double stage.
- | All filters provide high attenuation performance.
- | All filters compliance to EN60939-3:2015 & EN60939-2:2005 standards.
- | Filter available in panel mounting provision.
- | CRCA metal can with nickel plating provides good aesthetic and corrosion protection
- | High reliable
- | Input connection through IEC 60320 C20 plug
- | Have choice to select output connection type.
- | Filters available in medical version without capacitor to earth.
- | With surge suppressor filters also available.

Attenuation Type

Single Stage	Standard
Double Stage	High

Applications

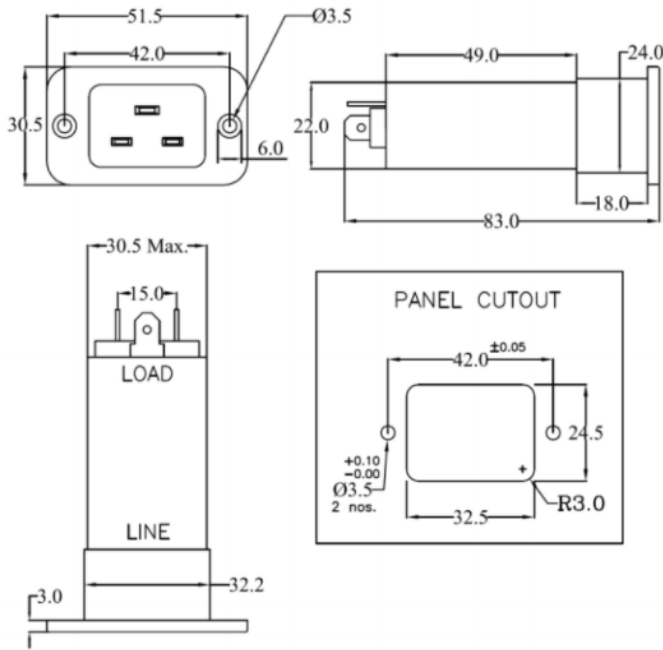
- | Consumer product
- | Medical equipment
- | Industrial application
- | Electrical automation equipment
- | Solar inverter



El.italia EC-EB15 [EP-324] serie

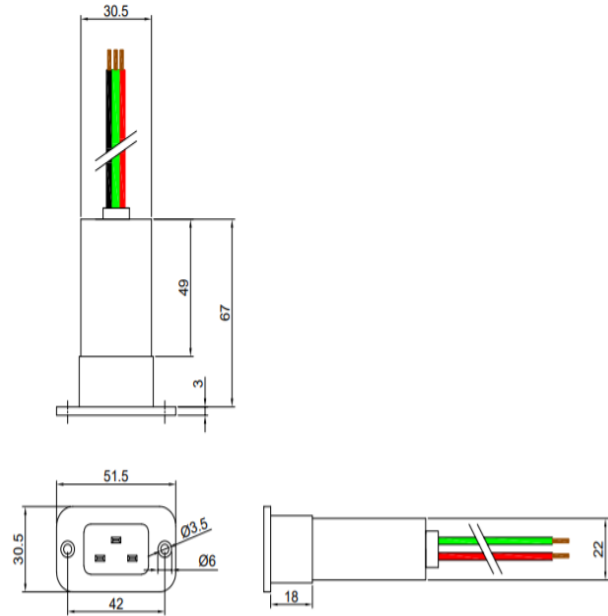
Mechanical details

| For fast-on terminal



All Dimension in mm

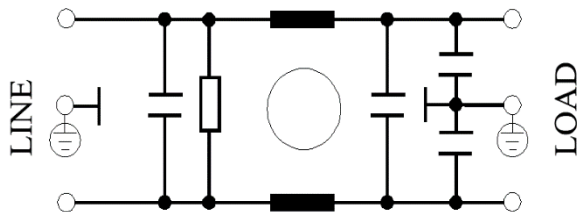
| For wire lead terminal



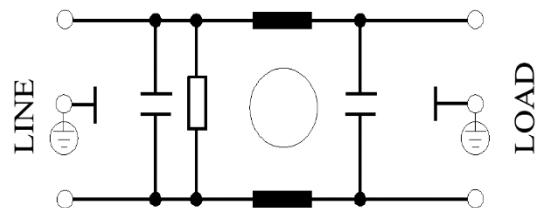
All Dimension in mm

Electrical schematic for Single Stage Filter

General purpose -



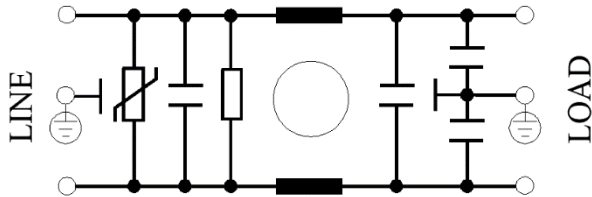
Medical equipment application -



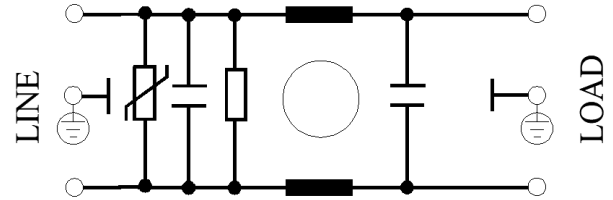


El.italia EC-EB15 [EP-324] serie

General purpose with Surge Suppressor -

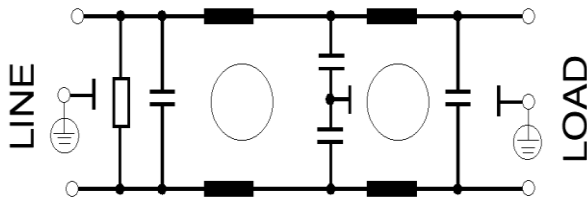


Medical equipment application with Surge Suppressor -

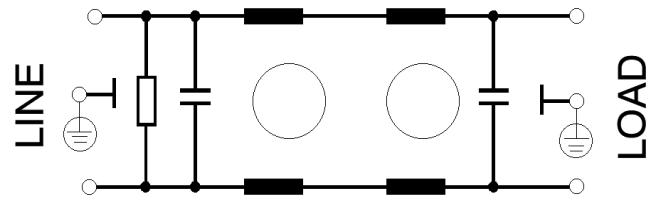


Electrical schematic for Double Stage Filter

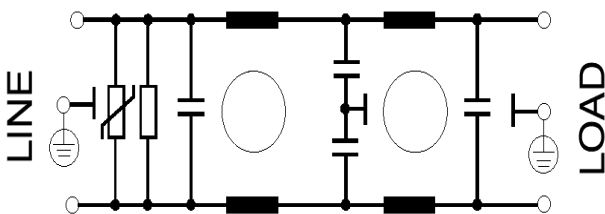
General purpose -



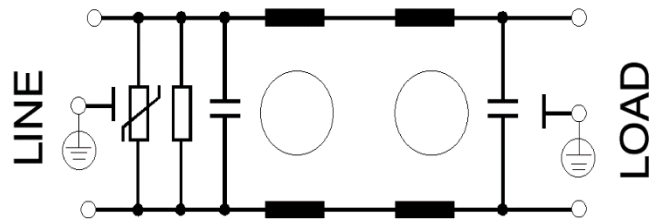
Medical equipment application -



General purpose with Surge Suppressor -



Medical equipment application with Surge Suppressor -





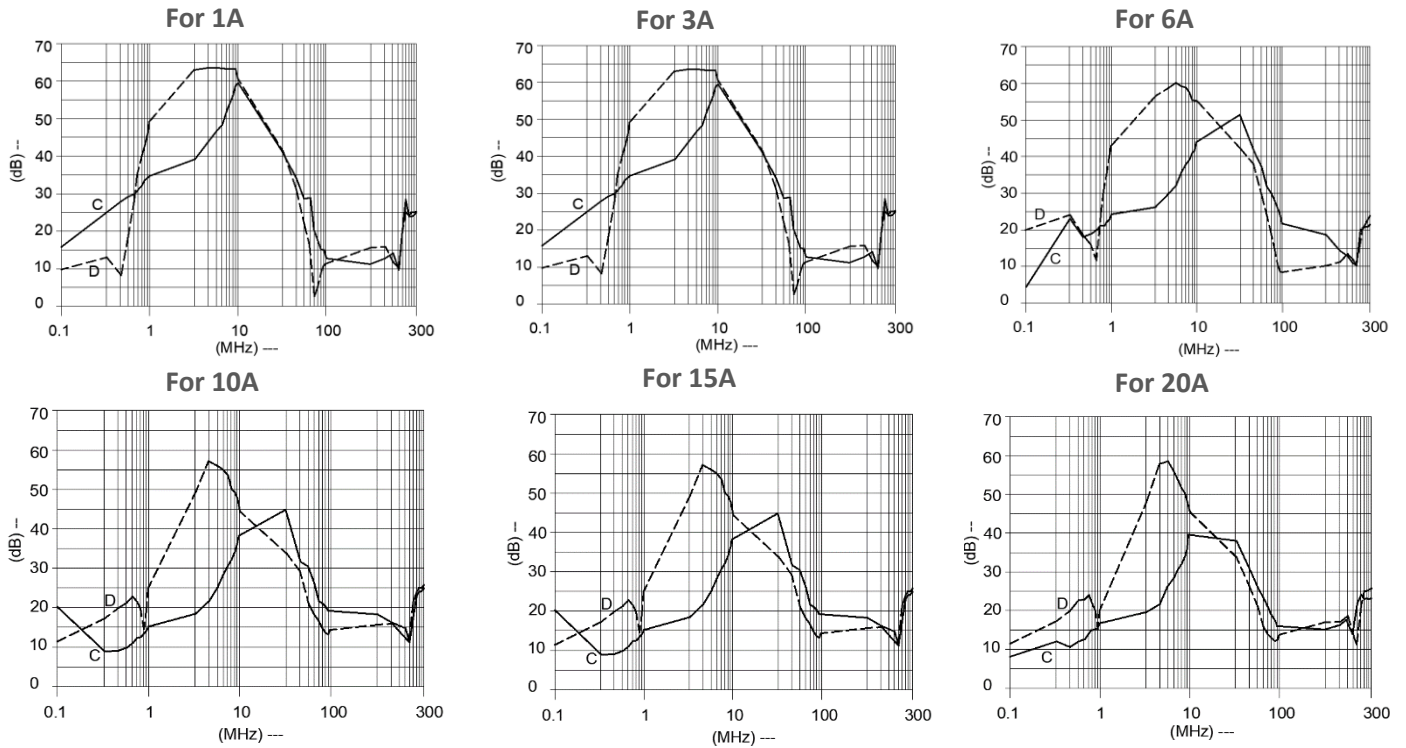
Filter attenuation Graph

El.italia EC-EB15 [EP-324] serie

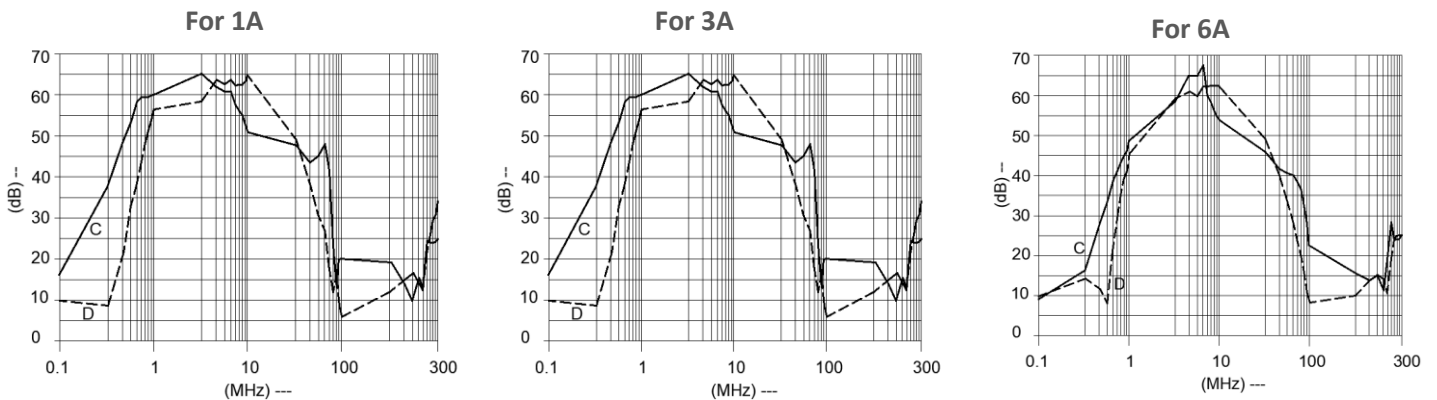
C = Common mode (asymmetrical) -----

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

For general purpose (Single Stage)

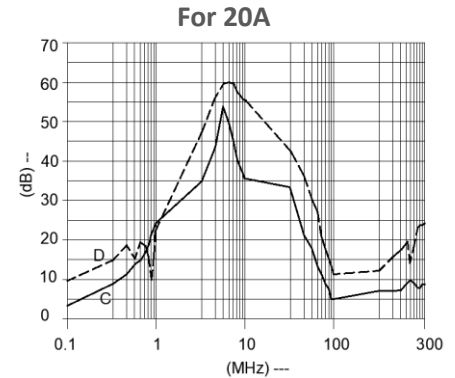
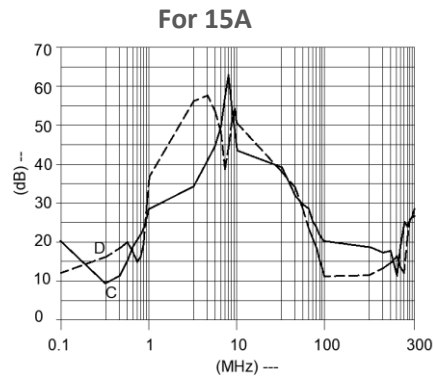
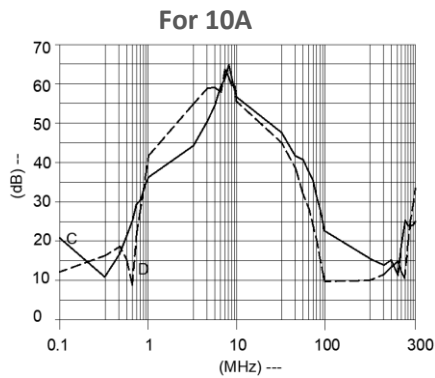


For general purpose (Double Stage)





El.italia EC-EB15 [EP-324] serie





Filter Selection Table

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on	Wire				
1	EF-1B001X01E-B15	1	< 0.5	B	G	---	---	100	Standard
2	EF-1B001X02E-B15	1	< 0.5	B	G	6.5	175	100	Standard
3	EF-1B001X03E-B15	1	< 0.003	B	G	---	---	100	Standard
4	EF-1B001X04E-B15	1	< 0.003	B	G	6.5	175	100	Standard
5	EF-1B003X01E-B15	3	< 0.5	B	G	---	---	100	Standard
6	EF-1B003X02E-B15	3	< 0.5	B	G	6.5	175	100	Standard
7	EF-1B003X03E-B15	3	< 0.003	B	G	---	---	100	Standard
8	EF-1B003X04E-B15	3	< 0.003	B	G	6.5	175	100	Standard
9	EF-1B006X01E-B15	6	< 0.5	B	G	---	---	100	Standard
10	EF-1B006X02E-B15	6	< 0.5	B	G	6.5	175	100	Standard
11	EF-1B006X03E-B15	6	< 0.003	B	G	---	---	100	Standard
12	EF-1B006X04E-B15	6	< 0.003	B	G	6.5	175	100	Standard
13	EF-1B010X01E-B15	10	< 0.5	B	G	---	---	100	Standard
14	EF-1B010X02E-B15	10	< 0.5	B	G	6.5	175	100	Standard
15	EF-1B010X03E-B15	10	< 0.003	B	G	---	---	100	Standard
16	EF-1B010X04E-B15	10	< 0.003	B	G	6.5	175	100	Standard

Datasheet | EB15

EP-324 Series





Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Approx. Weight (gm)	Attenuation
				Fast-on 	Wire 				
17	EF-1B015X01E-B15	15	< 0.5	B	G	---	---	90	Standard
18	EF-1B015X02E-B15	15	< 0.5	B	G	10	350	90	Standard
19	EF-1B015X03E-B15	15	< 0.003	B	G	---	---	90	Standard
20	EF-1B015X04E-B15	15	< 0.003	B	G	10	350	90	Standard
21	EF-1B020X01E-B15	20	< 0.5	B	G	---	---	90	Standard
22	EF-1B020X02E-B15	20	< 0.5	B	G	10	350	90	Standard
23	EF-1B020X03E-B15	20	< 0.003	B	G	---	---	90	Standard
24	EF-1B020X04E-B15	20	< 0.003	B	G	10	350	90	Standard
25	EF-1B001X20E-B15	1	< 0.5	B	G	---	---	90	High
26	EF-1B001X21E-B15	1	< 0.5	B	G	6.5	175	100	High
27	EF-1B001X22E-B15	1	< 0.003	B	G	---	---	100	High
28	EF-1B001X23E-B15	1	< 0.003	B	G	6.5	175	100	High
29	EF-1B003X20E-B15	3	< 0.5	B	G	---	---	100	High
30	EF-1B003X21E-B15	3	< 0.5	B	G	6.5	175	100	High
31	EF-1B003X22E-B15	3	< 0.003	B	G	---	---	100	High
32	EF-1B003X23E-B15	3	< 0.003	B	G	6.5	175	100	High
33	EF-1B006X20E-B15	6	< 0.5	B	G	---	---	100	High
34	EF-1B006X21E-B15	6	< 0.5	B	G	6.5	175	100	High
35	EF-1B006X22E-B15	6	< 0.003	B	G	---	---	100	High
36	EF-1B006X23E-B15	6	< 0.003	B	G	6.5	175	100	High
37	EF-1B010X20E-B15	10	< 0.5	B	G	---	---	100	High
38	EF-1B010X21E-B15	10	< 0.5	B	G	6.5	175	100	High
39	EF-1B010X22E-B15	10	< 0.003	B	G	---	---	100	High
40	EF-1B010X23E-B15	10	< 0.003	B	G	6.5	175	100	High
41	EF-1B015X20E-B15	15	< 0.5	B	G	---	---	100	High

Datasheet | EB15

EP-324 Series



Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	Terminals (X)		Max. Peak current (8/20 μ sec 1 time) (KA)	Energy surge rating (10/1000 μ sec) (Joules)	Weight (gm)	Attenuation
				Fast-on 	Wire 				
42	EF-1B015X21E-B15	15	< 0.5	B	G	10	350	100	High
43	EF-1B015X22E-B15	15	< 0.003	B	G	----	----	100	High
44	EF-1B015X23E-B15	15	< 0.003	B	G	10	350	100	High
45	EF-1B020X20E-B15	20	< 0.5	B	G	----	----	100	High
46	EF-1B020X21E-B15	20	< 0.5	B	G	10	350	100	High
47	EF-1B020X22E-B15	20	< 0.003	B	G	----	----	100	High
48	EF-1B020X23E-B15	20	< 0.003	B	G	10	350	100	High

- To compile complete part number, replace the 'X' with required I/O connection terminal. (e.g. EF-1B001B20E-B15)
- 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.

Connection type

Current Rating (A)	Fast -on	Wire	Earthing
1,3 & 6	6.3 X 0.8mm	18AWG	Fast-on/wire leads
10 & 15		14AWG	
20		12AWG	

Datasheet | EB15

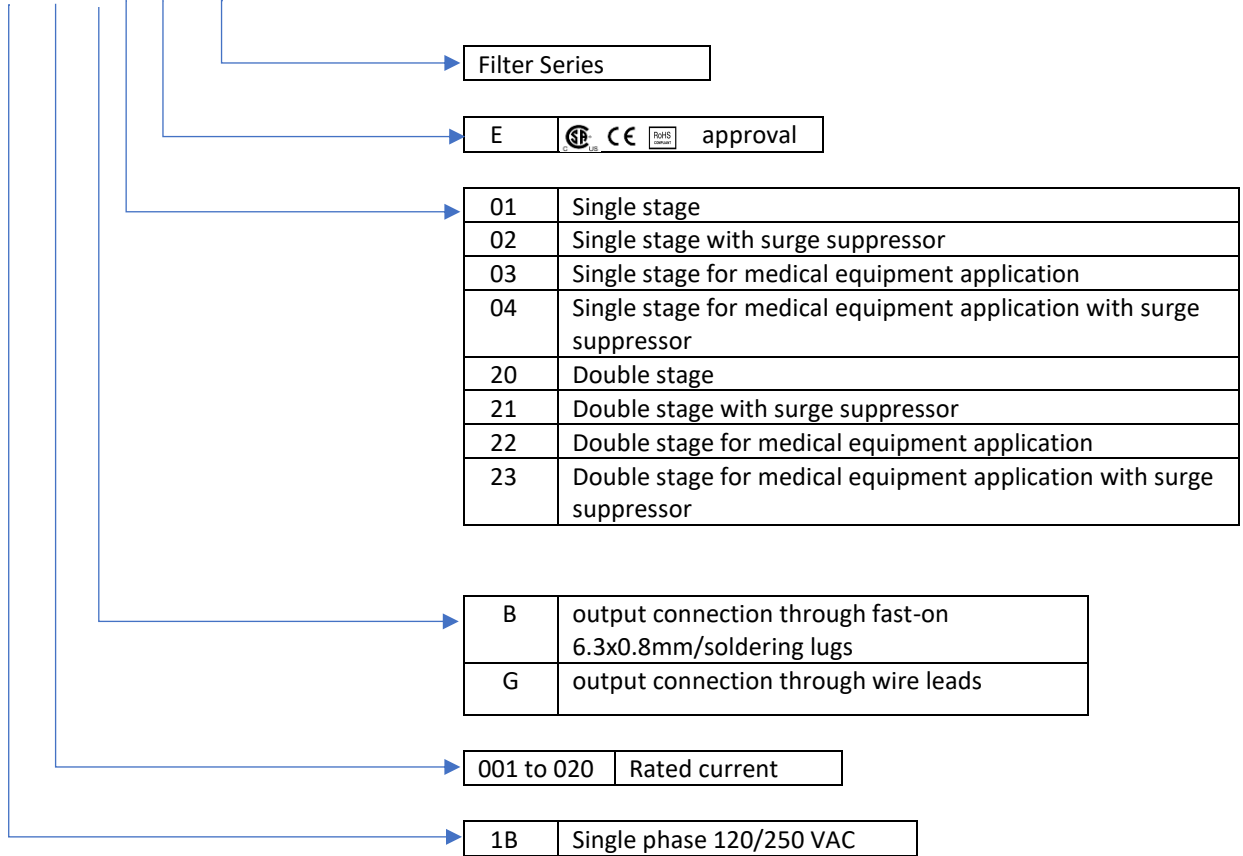
EP-324 Series



El.italia EC-EB15 [EP-324] serie

Syntax

EF - 1B CCC X YY E - B15





General Purpose AC EMI Filter

El.italia EC-EB17 [EP-442] serie



Technical specifications

Operating voltage	85-264 VAC
Current rating	3A
Frequency	47 to 63 Hz
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

*Image shown is for illustrative purpose only

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.

Attenuation Type

Double Stage **High**

Applications

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

Datasheet | EB17

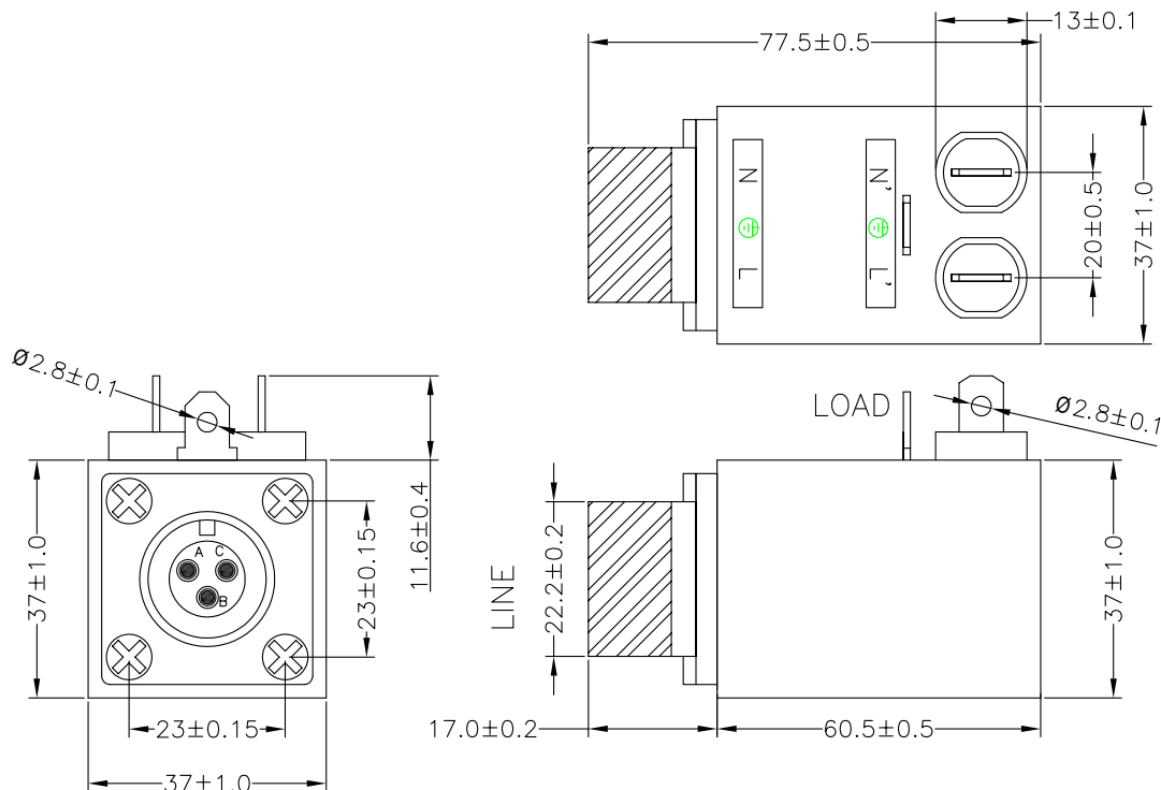
EP-442 series



Mechanical details

El.italia EC-EB17 [EP-442] serie

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



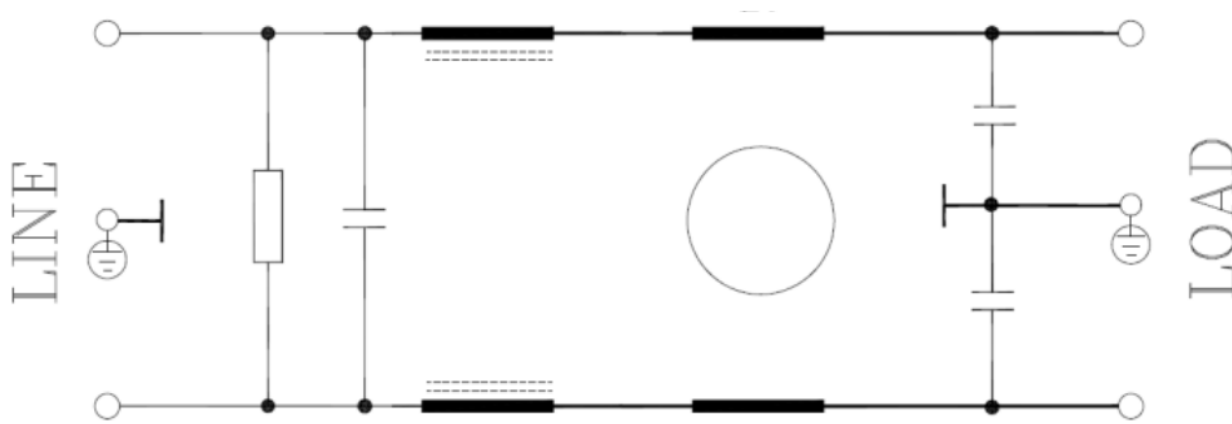
All dimensions in mm



El.italia EC-EB17 [EP-442] serie

Electrical schematic for Double Stage Filter

General purpose -



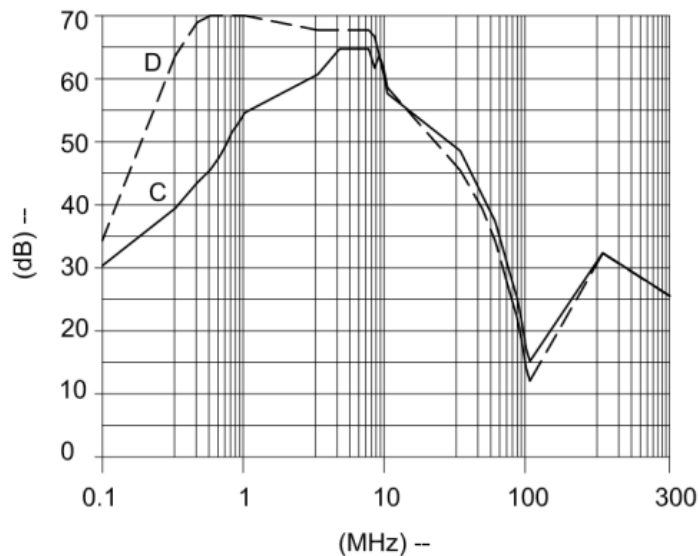
Filter attenuation Graph

C = Common mode (asymmetrical) —————

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

For general application (Double Stage)

For 3A





Datasheet | EB17

EP-442 series



Filter Selection Table

El.italia EC-EB17 [EP-442] serie

Sr. No.	Elcom part codes (ordering code)	Rated Current rating (A) @40°C	Leakage current (mA) @250VAC	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 MS3102R-14S-7S (SQC + C&C) or equivalent
- Customize products provided on request.

Syntax

EF - 1B CCC B YY A - B17

