

Accessory Outlet Filter

EBF Series



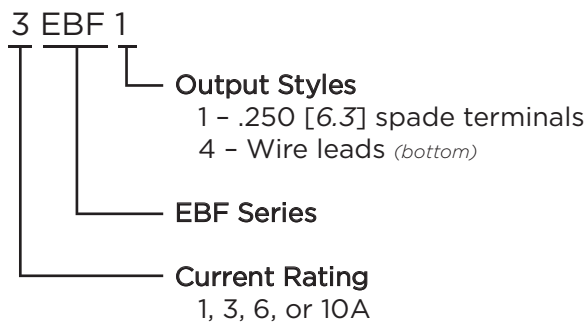
UL Recognized
CSA Certified
VDE Approved



EBF Series

- Accessory IEC 60320-1 C13 filtered outlet
- Allows connection of accessories while filtering noise between a system and the accessory
- Enhanced performance across the frequency range
- Grounded connection
- Suitable for international usage

Ordering Information



Specifications

Maximum leakage current each Line to Ground:

@ 120 VAC 60 Hz:	.25 mA
@ 250 VAC 50 Hz:	.50 mA

Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC

Rated Voltage (max.):

250 VAC

Operating Frequency:

50/60 Hz

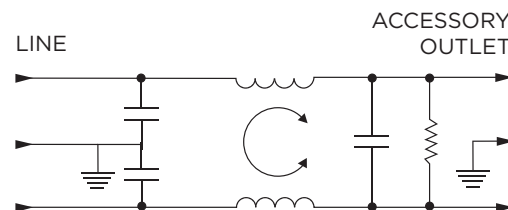
Rated Current:

1 to 10A

Operating Ambient Temperature Range

(at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85 - T_a)/45}$

Electrical Schematic



Available Part Numbers

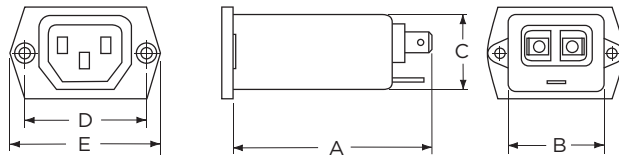
1EBF1	1EBF4
3EBF1	3EBF4
6EBF1	6EBF4
10EBF1	10EBF4

Accessory Outlet Filter *(continued)*

EBF Series

Case Styles

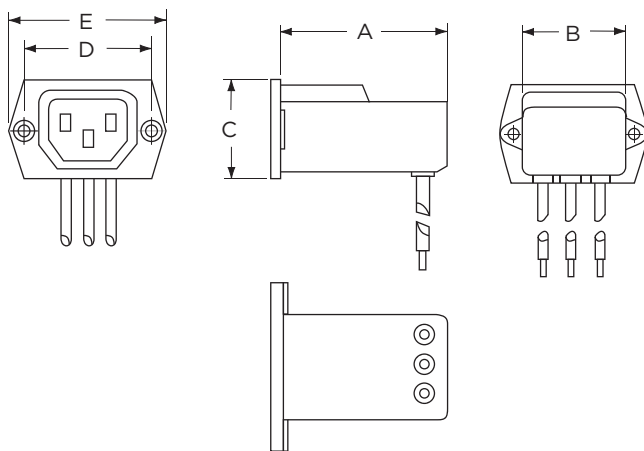
EBF1



Typical Dimensions:

Mounting holes (2):	.132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
Load Outlet (1):	IEC 60320-1 C13
Line Terminals (2):	.250 [6.3] with .07 [1.8] Dia. hole
Ground Terminal (1):	.250 [6.3] with .07 x .16 [1.8 x 3.8] slot

EBF4



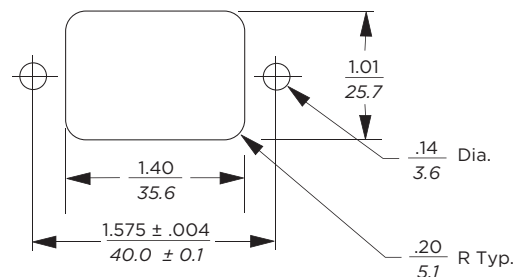
Typical Dimensions:

Mounting holes (2):	.132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw
Load Outlet (1):	IEC 60320-1 C13
Wire Leads (3):	10.0 [254.0] min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D $\pm .01$ $\pm .25$	E (max.)
EBF1	2.57 65.3	1.33 33.8	1.00 25.4	1.575 40.01	1.99 50.5
EBF4	2.09 53.01	1.39 35.31	1.16 29.46	1.575 40.01	1.99 50.5

Recommended Panel Cutout



Front Mount Only
Tolerance + .008 [.203] / - .000 [.000]

Accessory Outlet Filter *(continued)*

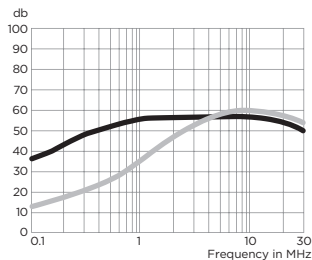
EBF Series

Performance Data

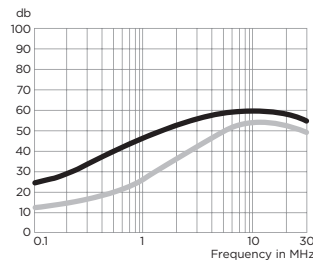
Typical Insertion Loss

Measured in closed 50 Ohm system

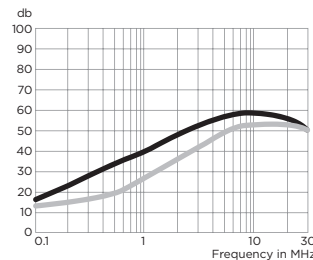
1EBF



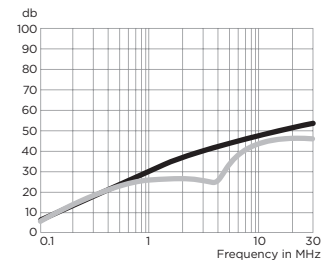
3EBF



6EBF



10EBF



— Common Mode / Asymmetrical (L-G)
— Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz						
	.05	.15	.5	1	5	10	30
1A	23	32	41	47	47	47	40
3A	10	19	30	36	48	50	47
6A	1	10	22	28	42	48	47
10A	1	5	14	20	32	38	47

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz						
	.05	.15	.5	1	5	10	30
1A	3	14	23	41	47	50	44
3A	2	11	14	25	38	44	40
6A	2	10	14	20	33	42	40
10A	2	10	16	19	19	39	40

Mouser Electronics

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[1EBF4](#) [10EBF1](#) [6EBF1](#) [6EBF4](#) [10EBF4](#) [3EBF4](#) [3EBF1](#) [1EBF1](#)