

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



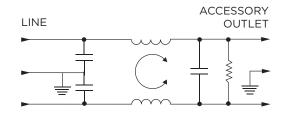
- Current Rating 1, 3, 6, or 10A

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 Rang	ge							
(at rated current I _r):	-10°C to +40°C							
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In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_0 = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



Available Part Numbers

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

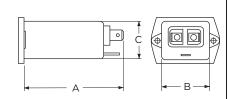


EBF Series

Case Styles

EBF1





.132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw

Typical Dimensions: Mounting holes (2):

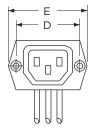
> Load Outlet (1): Line Terminals (2): Ground Terminal (1):

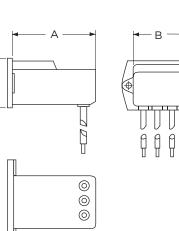
> > С

(2): .250 [6.3] with .07 [1.8] Dia. hole al (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

IEC 60320-1 C13







Typical Dimensions:

Mounting holes (2):

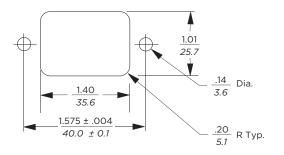
Load Outlet (1): Wire Leads (3):

.132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw IEC 60320-1 C13 10.0 [254.0] min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D <u>±.01</u> ±.25	E (max.)
FBF1	2.57	1.33	1.00	±.25 1.575	1.99
	65.3	33.8	25.4	40.01	50.5
FBF4	2.09	1.39	1.16	1.575	1.99
	53.01	35.31	29.46	40.01	50.5

Recommended Panel Cutout



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



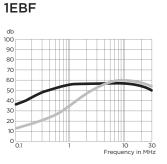
Accessory Outlet Filter (continued)

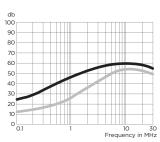
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Performance Data

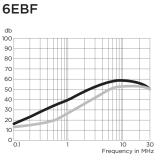
Typical Insertion Loss

Measured in closed 50 Ohm system

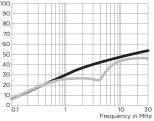




3EBF







 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)								Differential Mode / Symmetrical (Line to Line)								
	Current		Frequency – MHz					Current	Frequency – MHz							
	Rating	.05	.15	.5	1	5	10	30	Rating	.05	.15	.5	1	5	10	30
	1A	23	32	41	47	47	47	40	1A	3	14	23	41	47	50	44
	3A	10	19	30	36	48	50	47	3A	2	11	14	25	38	44	40
	6A	1	10	22	28	42	48	47	6A	2	10	14	20	33	42	40
	10A	1	5	14	20	32	38	47	10A	2	10	16	19	19	39	40

Differential Mode / Symmetrical (Line to Line)