

CORCOM Product Guide

Electronics

Cost Effective Compact RFI Filter IEC Connector Package

EEA, **EEB** Series



UL Recognized CSA Certified **VDE** Approved



EEA2/EEB2



EEA1/EEB1



EEAP/EEBP

EEA Series

This is a new generation of compact RFI filters with IEC socket. A totally new design in both the internal structure and manufacturing process makes this series cost effective and compact. The EEA series supersedes the EF series by providing superior performance, particularly in the common mode at low frequencies. Mechanically, its slimmer size makes it compatible with all similar filters on the market.

EEB Series

This is a new generation of compact RFI filters with IEC socket. A totally new design in both the internal structure and manufacturing process makes this series cost effective and compact. Electrically, the EEB provides enhanced differential mode performance compared to both the EEA and EF series. Mechanically, its slimmer size makes it compatible with all similar filters on the market.

Electrical Schematic



Resistor location for reference only.

Specifications

Maximum leakage current, each line-to-ground

indiminant touring of our only out of the ground	
@ 120 VAC 60 Hz:	.22 mA
@ 250 VAC 50 Hz:	.38 mA
Hipot rating (one minute):	
line-to-ground	2250 VDC
line-to-line	1450 VDC
Operating frequency:	50/60 Hz
Rated voltage (max.):	250 VAC
Minimum insertion loss in dB:	

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz								
Rating	.01	.05	.1	.15	.5	1	5	10	30
EEA Models									
1A	12	23	29	32	41	47	47	47	40
3A	-	10	15	19	30	36	48	50	47
6A	-	1	4	10	22	28	42	48	47
10A	-	1	3	5	14	20	32	38	47
EEB Models									
1A	12	23	29	32	41	47	47	47	40
3A	-	10	14	18	30	36	48	50	47
6A	-	1	4	10	22	28	42	48	47
10A	-	1	3	5	14	20	32	38	47

Line-to-line in 50 ohm circuit

Current			E ,		nov M			
		Frequency-MHz						
Rating		.5	1	1.5	3	5	10	30
EEA Moo	lels							
1A		1	9	19	32	42	45	40
3A		2	4	6	20	35	45	40
6A		2	4	6	6	24	40	40
10A		1	4	5	5	5	30	40
Current		Frequency-MHz						
Rating	.01	.15	.5	1	3	5	10	30
EEB Models								
1A	1	3	14	23	41	47	50	44
3A	1	2	11	14	25	38	44	40
6A	1	2	10	14	20	33	42	40
10A	1	2	10	16	19	19	39	40

36 Catalog 1654001

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Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

Dimensions are shown for reference purposes only. Specifications subject to change.

USA Cust_Svc : 1-800-468-2023 CORCOM Prods: 1-847-680-7400 49-89-6089-0 Germany:

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Electronics

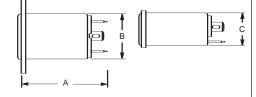
Cost Effective Compact RFI Filter IEC Connector Package (Continued)

Case Dimensions

EEA, EEB Series

Case Styles EEA1/EEB1 (front or back mounting)

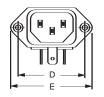


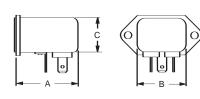


Typical dimensions:

Terminals: .250 [6.35] (3) Holes: .07 [1.8] Dia.(2) Slot: .07 x .16 [1.8 x 3.8] (1)

EEA2/EEB2 (back mount only)



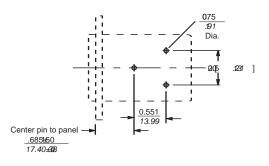


Α В С D Ε ± .010 Part No. (max) (max) (max) (max) ±.25 2.15 1.12 0.81 1.575 1.98 EEA1 54.6 28.4 20.6 40.01 50.3 1.54 1.12 0.81 1.575 1.98 EEA2 39.1 28.4 20.6 40.01 50.3 1.54 1.12 0.81 1.575 1.98 EEAP 39.1 28.4 20.6 40.01 50.3 1.98 2.15 1.12 0.81 1.575 EEB1 54.6 28.4 20.6 40.01 50.3 1.54 1.12 0.81 1.575 1.98 EEB2 39.1 28.4 20.6 40.01 50.3 1.54 1.12 0.81 1.575 1.98 EEBP 39.1 28.4 20.6 40.01 50.3

Part Numbers

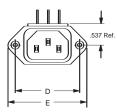
1EEB1		
1EEB2 1FFBP		
3EEB1		
3EEB2		
3EEBP 6FFB1		
6EEB2		
6EEBP		
10EEB1 10FFB2		
10EEB2		
GA400		
FA601		

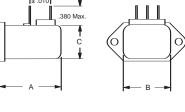
EEAP/EEBP Model PCB Layout



RFI Power Line Filters

EEAP/EEBP (back mount only)

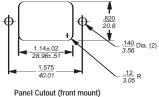




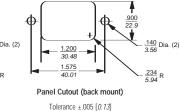
Typical dimensions:

Mounting holes: .132 [3.35] Dia. (2) with .260 Dia. x 90° countersunk for #4 Flathead Screw.

Recommended Panel Cutouts



Tolerance ±.005 [0.13]



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