## EEA, EEB Series

Cost Effective Compact RFI Filter IEC Connector Package



### UL Recognized CSA Certified VDE Approved SEMKO Approved\*

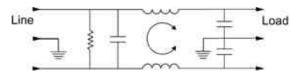
## **EEA Series**

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.



EEAP/EEBP

## **Specifications**

Maximum leakage current, each						
line-to-ground	@ 120 VAC 60 Hz:	.22 mA				
	@ 250 VAC 50 Hz:	.38 mA				
Hipot rating (one minu line-to-ground line-to-line	ıte):	2250 VDC 1450 VDC				
Operating frequency:		50/60 Hz				
Rated voltage:		120/250 VAC				

Minimum insertion loss in dB:

#### EEA

Line-to-ground in 50 ohm circuit

Current					cy-MH				
Rating	.01	.05	.1	.15	.5	1	5	10	30
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 1	14 5	20	32	38 26	47
15A 1 5 8 20 26 40 Line-to-line in 50 ohm circuit									40
Current					ncy-M	Hz			
Rating		.5	1	1.5	3	5		10	30
								-	
1A		1	9	19	32	42		45 45	40
3A 6A		2 2	4 4	6 6	20 6	35 24		45 40	40 40
10A		2	4	5	5	24 5		+0 30	40
15A		1	4	6	12	14		15	40
EEB	ound		ohm c	ircuit				-	
<b>EEB</b> Line-to-gr	ound		ohm c	ircuit				-	_
<b>EEB</b> Line-to-gr Current		in 50 d	Fre	quen	cy-MH				
<b>EEB</b> Line-to-gr Current Rating	.01	in 50 d	Fre .1	equen .15	.5	1	5	10	30
<b>EEB</b> Line-to-gr Current Rating 1A		in 50 ( .05 23	Fre .1 29	equen .15 32	.5 41	1 47	5 47	10 47	30 40
EEB Line-to-gr Current Rating 1A 3A	.01	in 50 c .05 23 10	Fre .1 29 14	equen .15 32 18	.5 41 30	1 47 36	5 47 48	10 47 50	30 40 47
EEB Line-to-gr Current Rating 1A 3A 6A	.01	in 50 c .05 23 10 1	Fre .1 29 14 4	equeno .15 32 18 10	.5 41 30 22	1 47 36 28	5 47 48 42	10 47 50 48	30 40 47 47
EEB Line-to-gr Current Rating 1A 3A 6A 1OA	.01	in 50 c .05 23 10	Fre .1 29 14	equeno .15 32 18 10 5	.5 41 30 22 14	1 47 36 28 20	5 47 48 42 32	10 47 50 48 38	30 40 47 47 47
EEB Line-to-gr Current Rating 1A 3A 6A	.01 12 - - - -	in 50 c .05 23 10 1 1 -	Fre .1 29 14 4 3 -	equeno .15 32 18 10 5 1	.5 41 30 22	1 47 36 28	5 47 48 42	10 47 50 48	
EEB Line-to-gr Current Rating 1A 3A 6A 10A 15A Line-to-lin	.01 12 - - - -	in 50 c .05 23 10 1 1 -	Fre .1 29 14 4 3 -	equeno .15 32 18 10 5 1 it	.5 41 30 22 14 5	1 47 36 28 20 8	5 47 48 42 32	10 47 50 48 38	30 40 47 47 47
EEB Line-to-gr Current Rating 1A 3A 6A 10A 15A	.01 12 - - - -	in 50 c .05 23 10 1 1 -	Fre .1 29 14 4 3 -	equeno .15 32 18 10 5 1 it	.5 41 30 22 14	1 47 36 28 20 8	5 47 48 42 32 20	10 47 50 48 38	30 40 47 47 47
EEB Line-to-gr Current Rating 1A 3A 6A 10A 15A Line-to-lin Current	.01 12 - - e in 5	in 50 c .05 23 10 1 1 - 0 ohm	Fre .1 29 14 4 3 - circu	equent .15 32 18 10 5 1 it	.5 41 30 22 14 5	1 47 36 28 20 8 Hz	5 47 48 42 32 20	10 47 50 48 38 26	30 40 47 47 47 40 30
EEB Line-to-gr Current Rating 1A 3A 6A 10A 15A Line-to-lin Current Rating	.01 12 - - e in 5	in 50 c .05 23 10 1 1 - 0 ohm .15	Fre .1 29 14 4 3 - circu Fr .5	equent .15 32 18 10 5 1 it requer 1	.5 41 30 22 14 5 ncy-M 3	1 47 28 20 8 Hz	5 47 48 42 32 20	10 47 50 48 38 26 10	30 40 47 47 47 47
EEB Line-to-gr Current Rating 1A 3A 6A 1OA 15A Line-to-lin Current Rating 1A	.01 12 - - e in 5 .01 1	in 50 c .05 23 10 1 1 - 0 ohm .15 3	Fre .1 29 14 4 3 - circu Fr .5 14	equent .15 32 18 10 5 1 it requer 1 23	.5 41 30 22 14 5 ncy-M 3 41	1 47 36 28 20 8 Hz 5 4	5 47 48 42 32 20 5 7 8	10 47 50 48 38 26 10 50	30 40 47 47 47 47 30 30
EEB Line-to-gr Current Rating 1A 3A 6A 1OA 15A Line-to-lin Current Rating 1A 3A	.01 12 - - - ne in 5 .01 1 1	in 50 c .05 23 10 1 1 - 0 ohm .15 3 2	Fre .1 29 14 4 3 - circu Fr .5 14 11	equence .15 32 18 10 5 1 it requer 1 23 14	.5 41 30 22 14 5 ncy-M 3 41 25	1 47 36 28 20 8 Hz 4 <sup>7</sup> 38	5 47 48 42 32 20 5 7 8 3	10 47 50 48 38 26 10 50 44	3C 4C 47 47 47 47 47 47 47 47 47 47 47 47 47

\*Style 1 only

COFCOM

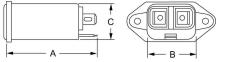
# Series EEA, EEB

## **Case Styles**

Metric shown in italics.

#### EEA1/EEB1

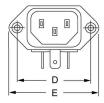


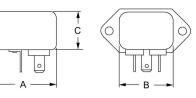


#### Typical dimensions

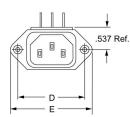
Terminals:  $\frac{.250}{6.35}$  (3) Holes:  $\frac{.07}{1.8}$  Dia.(2) Slot  $\frac{.07 \times .16}{1.8 \times 4.1}$ 

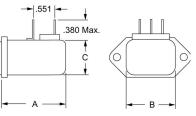
#### EEA2/EEB2





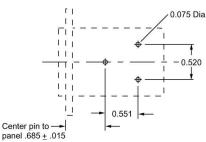
#### EEAP/EEBP



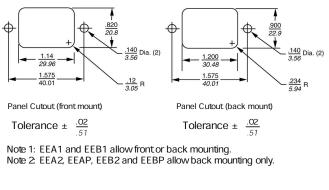


Mounting holes:  $\frac{.132}{3.35}$  Dia. (2) with .260 Dia. x 90° countersunk for #4 Flathead Screw.

### **EEAP/EEBP Model PCB Layout**



## **Recommended Panel Cutouts**



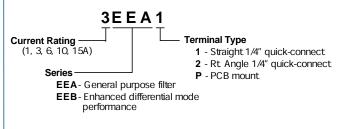
#### **Case Dimensions**

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D <u>± .010</u> ± .25	E (max)
EEA1	<u>2.15</u> 54.6	<u>1.12</u> 28.45	0.81	<u>1.575</u> 40.01	1.98 50.3
EEA2	<u>1.54</u> 39.1	<u>1.12</u> 28.45	0.81	<u>1.575</u> 40.01	<u>1.98</u> 50.3
EEAP	<u>1.54</u> 39.1	<u>1.12</u> 28.45	0.81	<u>1.575</u> 40.01	1.98 50.3
EEB1	<u>2.15</u> 54.6	<u>1.12</u> 28.45	0.81	<u>1.575</u> 40.01	<u>1.98</u> 50.3
EEB2	<u>1.54</u> 39.1	<u>1.12</u> 28.45	<u>0.81</u> 20.6	<u>1.575</u> 40.01	<u>1.98</u> 50.3
EEBP	<u> </u>	<u>1.12</u> 28.45	0.81	<u>1.575</u> 40.01	<u> </u>

## **Ordering Information**

Consult your local Corcom sales representative for pricing.



#### **Available Part Numbers** 1EEA1 6EEA1 1EEB1 6EEB1 1EEA2 6EEA2 1EEB2 6EEB2 1EEAP 6EEAP 1EEBP 6EEBP 3EEA1 10EEA1 3EEB1 10EEB1 3EEA2 10EEA2 3EEB2 10EEB2 **3EEAP** 10EEAP **3EEBP** 10EEBP 15EEA1 15EEB1

#### Accessory Line Cord No. GA400

7 1/2 foot, 3 conductor line cord to mate with filter IEC in put connector. 1250 watt, 10A-125 VAC, black SVT cord, UL listed, CSA certified

#### Accessory Insulating Boot No. FA601

Plastic shroud to cover terminals on back of filter (style 1 terminals only)

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33