Introduction

Corcom EJS Series
IEC Inlet RFI Filter

Power Inlet Filters feature power sockets integrated with EMI filters enclosed in RFI jackets. The AC power socket complies with IEC an standard to assure worldwide power cord compatibility. These filters are available in a wide variety of filtering, shielding, mounting and termination styles that provide the most compact and cost-effective inlet filtering available. For DC power inlet filters, see the DC section.

Corcom P Series CHAMELEON
Power Entry Module

Power Entry Modules incorporate power sockets with filtering, fuses, switching and voltage selection in a variety of configurations to reduce cost, space and labor. The power sockets comply with IEC standards to assure worldwide AC power cord compatibility. For DC power entry modules, see the DC section.

Equipment marketed worldwide, must operate with

- Multiple different wall plugs and sockets
- Different fuse standards in America and Europe
- Different voltages in different regions
- On/Off switching options
- Different EMI requirements in different regions

The combinations are endless. Your equipment needs a single solution.

TE Connectivity's power entry modules can provide ONE mechanical solution for a variety of power entry needs. Each series supports several different configurations to suit the market requirements. Each starts with an international standard power cord connector, and includes options for fusing, voltage selection, switching, and filtering. Selecting one power entry module series simplifies the mechanical design, and each version within the series replaces the cost and labor of up to including up to five individual parts in the equipment bill of materials. With hundreds of different combinations of power entry functions, the modules in this catalog offer a cost-effective solution to the power entry needs of many systems. It is easy to select the module that best serves your needs.

Introduction *(continued)*

The selector guides on the next two pages help you configure the best power entry module for your application. Just select options from this menu of five categories.

IEC60320-1 Socket – Common to all modules, the 60320-1 universal socket allows your equipment to be used in every country. Simply select a power cord with a mating IEC 60320-1 plug on one end, and a regionally appropriate plug on the other.

Fusing Options – North American (¼" x 1¼" 3AG) or Metric (5mm x 20mm) or both? One fuse or two?

Voltage Selection Options – 4-voltage, 2-voltage, or 1-voltage? Multitap? Center-tap? Dual primary?

Power Switch – Yes or no? Double pole (DPST) or single (SPST)? These power entry module switches feature international on - off markings, current ratings up to 15A and high inrush current.

Shielding – reduce radiated emissions through the panel cut-out by selecting a module with a shield (optional on the C, CU, M and P).

Filtering options – Choice of six filter circuits (all with low leakage current to meet international standards) to fit specific filtering objectives:

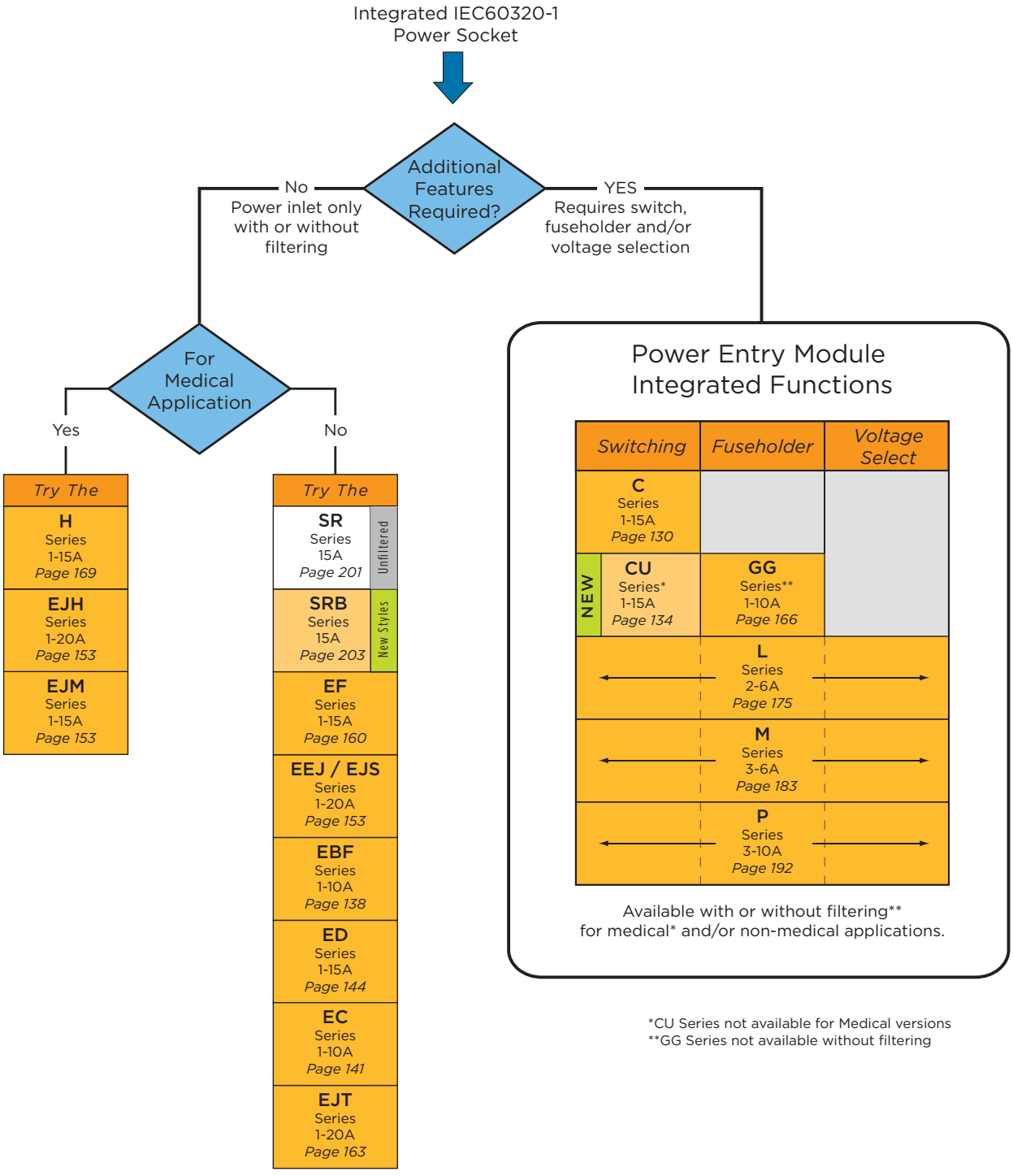
- **General purpose** (C, CU, GG, J, LA, M and P) – most cost-effective, for susceptibility and for high-frequency "clean-up" when used with a board-level filter
- **Medical** (in C, GG, L, M, and P series) – for medical equipment
- **Emissions/Linear** (in L and P series) – capable of bringing most digital equipment with linear power supplies into FCC compliance
- **Emissions/SMPS-FCC** (in P, LA and M series) – capable of bringing most digital equipment with switch-mode power supplies into FCC Class B compliance
- **Emissions/SMPS-VDE** (in P, LA and M series) – capable of bringing most digital equipment with switch-mode power supplies into VDE level B (as well as FCC Class B) compliance

Want more filtering options? Select a general purpose or an unfiltered module (C, CU, J, L, M, P, or SR series) and wire it up connect it to the load through one of the many Corcom chassis-mounted filter of your choice from the choices found in this comprehensive catalog. TE's Corcom product engineers can also design a custom filter for your specific applicaiton.

Available accessories expand your options even further. A Corcom product sales engineer can assist you with selecting the right filter for your application.

Having arrived at the best possible combination of power entry elements, TE's worldwide agency approvals will help ease your product through the necessary safety agencies. File numbers and Safety Agency information is listed in Section 7.

Selector Chart



*CU Series not available for Medical versions
**GG Series not available without filtering

Series	Unfiltered		Filtered			Options		
	Product Photo	Max. Current Rating	Product Photo	Max. Current Rating	Filter Type	On/Off Switch	Voltage Selections	Fuse Holder
C		15A **NEW**		10A	Medical & General Purpose	Yes DPST	N/A	N/A
CU **NEW**		15A		15A	General Purpose	Yes SPST	N/A	N/A
GG	Filtered Only			10A	Medical & General Purpose	N/A	N/A	Metric
L		6A		6A	Medical & General Purpose	Optional DPST	Single or 4	North American or Metric
M		6A		6A	Medical, General Purpose & Switch Mode Power Supply	Optional DPST	Single, 2 or 4	North American or Metric
P		10A		10A	Medical, General Purpose & Switch Mode Power Supply	Optional DPST	Single or 2	North American or Metric
	New High Performance versions in PE and PM Mounting Styles							

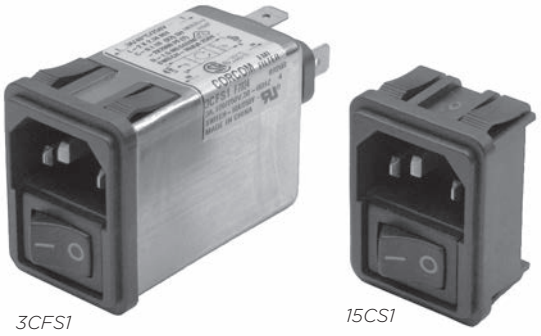
N/A = Not Available

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.

For email, phone or live chat, please go to **te.com/help**
corcom.com

C Series

UL Recognized
CSA Certified
VDE Approved*



3CFS1 15CS1

C Series

- Two function power entry module combining a DPST switch and an IEC 60320-1 inlet
- Snap-in or flange mounting
- Available with or without a shielded general purpose or medical grade filter
- Two element circuit provides enhanced EMI attenuation
- Reduce OEM wiring time with optional pre-connected line and switch terminals

Ordering Information

10 C F S 1

Output Styles
1 – Spade terminals *(size varies)*

Mounting Styles
E – Flange Mount
S – Snap-in

Filter Type or Terminal Option
F – General purpose
H – Medical
B – No filter, includes Pre-connected terminals
Omit if none

C Series

Current Rating
1, 3, 6, 10 or 15A
(Filtered versions up to 10A)

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

Specifications

Maximum leakage current each Line to Ground:

	F Models	H & Unfiltered
@ 120 VAC 60 Hz:	.25 mA	2 µA
@250 VAC 50 Hz:	.40 mA	5 µA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

Rated Voltage: 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 1 to 15A*

Switch: DPST
10,000 operations at 51A max. inrush

.250 Terminal Push-on Force: 18 lb. / 80N (max.)

.188 Terminal Push-on Force: 15 lb. / 67N (max.)

Available Part Numbers

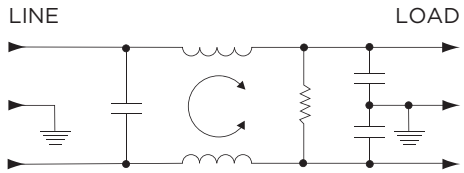
Filtered Versions	
1CHE1	1CFE1
3CHE1	3CFE1
6CHE1	6CFE1
10CHE1	10CFE1
1CHS1	1CFS1
3CHS1	3CFS1
6CHS1	6CFS1
10CHS1	10CFS1

Non-filtered Versions	
Standard Terminals	Pre-connected Terminals
10CS1	10CBS1
10CE1	10CBE1
15CS1	15CBS1
15CE1	15CBE1

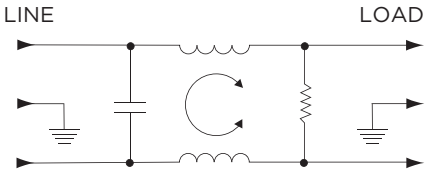
C Series

Electrical Schematics

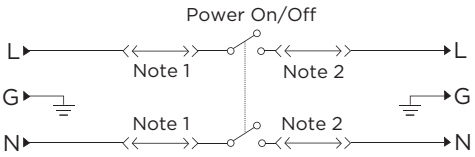
F Models



H Models



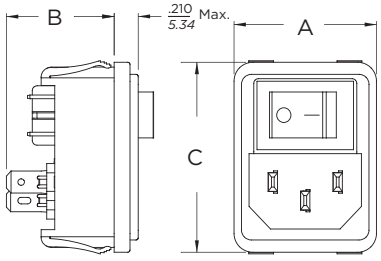
B Models



Note 1: Jumpers provided on CBS and CBE versions only
Note 2: Location of optional filter

Case Styles

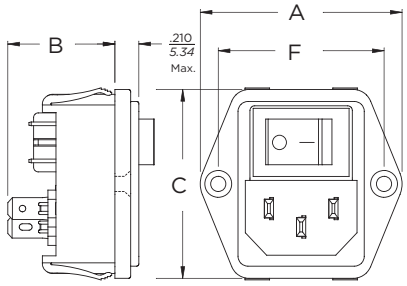
CS, CBS



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (6):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot

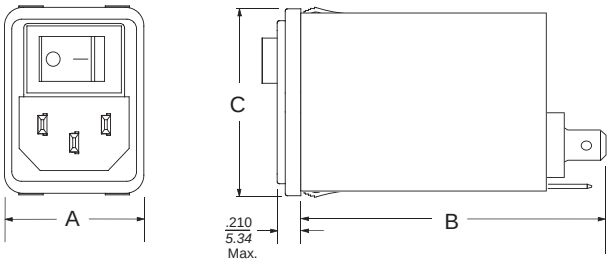
CE, CBE



Typical Dimensions:

Mounting holes (2):	.13 [*3.3*] Dia. with .23 [*5.9*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (6):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot

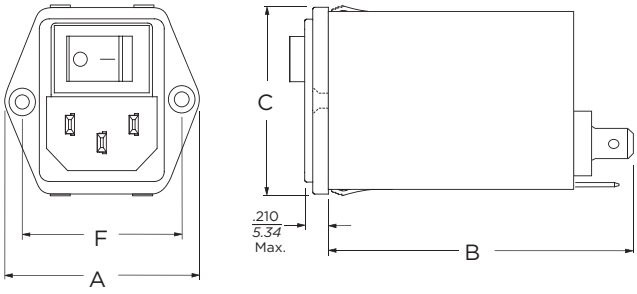
CFS, CHS



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (3):	.25 [*6.35*] with .07 [*1.8*] Dia. hole

CFE, CHE



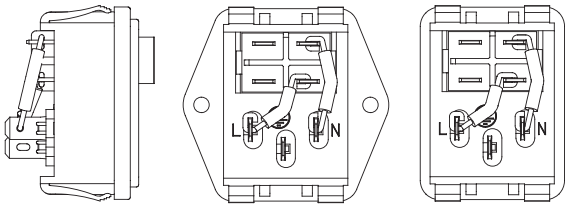
Typical Dimensions:

Mounting holes (2):	.13 [*3.3*] Dia. with .23 [*5.9*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (3):	.25 [*6.35*] with .07 [*1.8*] Dia. hole

C Series

Case Styles *(continued)*

CBS, CBE Pre-Connected Terminals



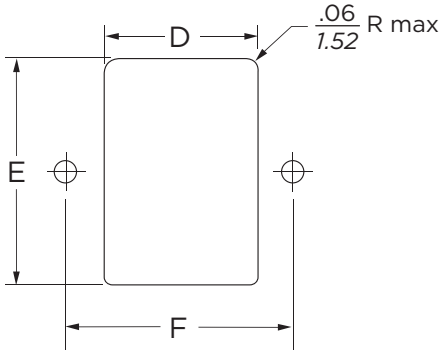
CBS, CBE Side View | CBE Rear View | CBS Rear View

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .01 ± .254	E ± .01 ± .254	F ± .006 ± .152
CS, CBS	**1.22** *31.0*	**.93** *23.6*	**1.62** *41.2*	**1.06** *26.92*	**1.54*** *39.12**	-
CE, CBE	**1.74** *44.2*	**.93** *23.6*	**1.62** *41.2*	**1.06** *26.92*	**1.56** *39.62*	**1.417** *36.0*
CFS, CHS	**1.22** *31.0*	**2.53** *64.3*	**1.62** *41.2*	**1.12** *28.5*	**1.54*** *39.12**	-
CFE, CHE	**1.74** *44.2*	**2.53** *64.3*	**1.62** *41.2*	**1.12** *28.5*	**1.56** *39.62*	**1.417** *36.0*

+ .000 [.000*] / - .008 [*.20*]

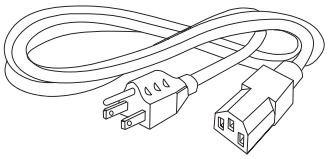
Recommended Panel Cutout



Panel Thickness: .031 - .098 [*0.8 - 2.5*]
Not recommended for plastic panels.
Snap–in models suitable for front mounting only.
For Snap–in applications, the D sides of the cutout must have a .02 [*.508*] radius on the installation side.

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



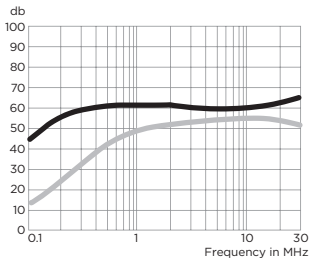
C Series

Performance Data

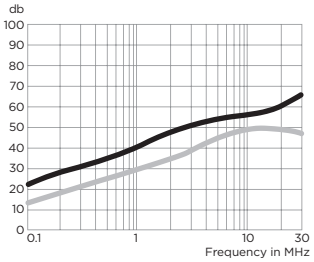
Typical Insertion Loss

Measured in closed 50 Ohm system

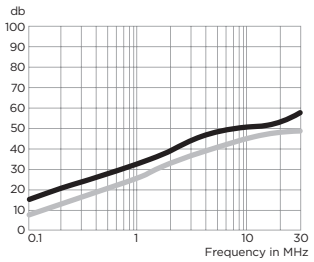
1CF



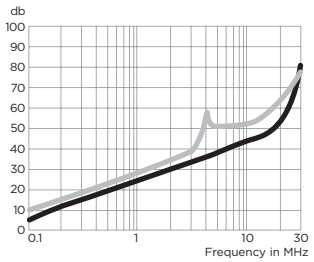
3CF



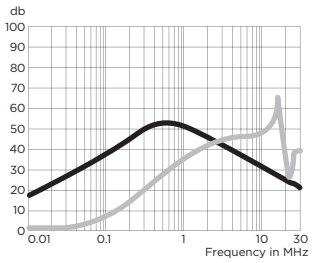
6CF



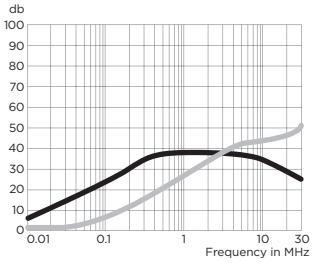
10CF



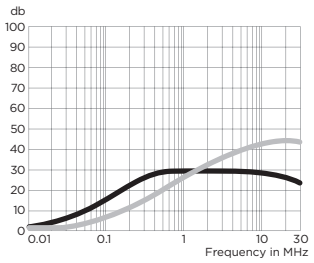
1CH



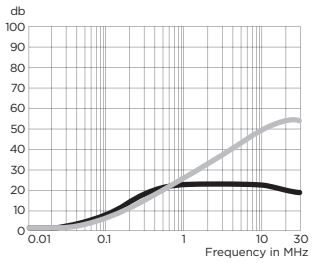
3CH



6CH



10CH



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
F Models							
1A	10	26	46	48	46	47	46
3A	8	16	32	36	43	48	50
6A	4	11	22	27	36	41	50
10A	1	4	14	18	27	33	42
H Models							
1A	16	21	37	44	26	21	10
3A	9	14	31	32	26	24	14
6A	4	10	22	23	19	18	13
10A	2	6	10	15	11	11	9

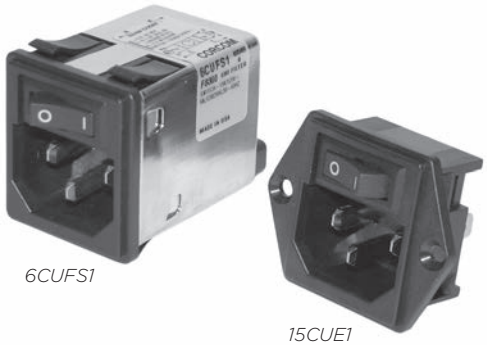
Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .05	.15	.5	1	5	10	30
F Models							
1A	1	3	13	28	62	67	42
3A	2	6	14	23	65	65	67
6A	2	6	14	27	46	48	58
10A	1	7	14	23	42	44	62
H Models							
1A	1	6	13	29	38	42	26
3A	1	5	10	22	36	34	36
6A	1	5	14	20	31	33	37
10A	1	4	11	19	32	37	38

Compact 1U Height Switched Power Entry Module

CU Series

UL Recognized
CSA Certified
VDE Approved*



6CUFS1

15CUE1

CU Series

- Designed for popular 1U (1 ¾") height rack mounted equipment
- Two function power entry module combining a SPST switch and an IEC 60320-1 inlet
- Snap–in, flange and flush mounting
- Reduce OEM wiring time with optional pre–connected line and switch terminals

Ordering Information

15 CU 10 B S 1

Output Styles
1 – .187 [*4.8*] spade terminals

Mounting Styles
E – Flange Mount *(Horizontal)*
F – Flush Mount *(Filtered only)*
S – Snap–in

Filter Type or Terminal Option
F – General purpose
B – No filter, includes pre–connected terminals
Omit if none

Side Snap–in Option
Non-filtered versions only
10 – Side snaps *1.0mm max. panel*
15 – Side snaps *1.5mm max. panel*
Omit for none or standard configuration

CU Series

Current Rating
1, 3, 6, 10 or 15A

Specifications

Maximum leakage current each Line to Ground:

	Filtered	Unfiltered
@ 120 VAC 60 Hz:	.25 mA	2 µA
@250 VAC 50 Hz:	.40 mA	5 µA

Hipot rating (one minute):

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

Operating Voltage:	120/250 VAC
Operating Frequency:	50/60 Hz
Rated Current:	1 to 15A*
Switch:	50A inrush capable SPST
Terminal Push–on Force:	15 lb. / 67N (max.)

Available Part Numbers

Filtered Versions		
1CUFE1	1CUFF1	1CUFS1
3CUFE1	3CUFF1	3CUFS1
6CUFE1	6CUFF1	6CUFS1
10CUFE1	10CUFF1	10CUFS1
15CUFE1	15CUFF1	15CUFS1

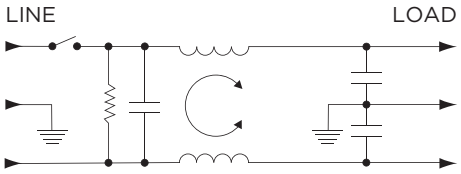
Non–filtered Versions	
Standard Terminals	Pre–connected Terminals
15CUE1	15CUBE1
15CUS1	15CUBS1
15CU10S1	15CU10BS1
15CU15S1	15CU15BS1

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

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.

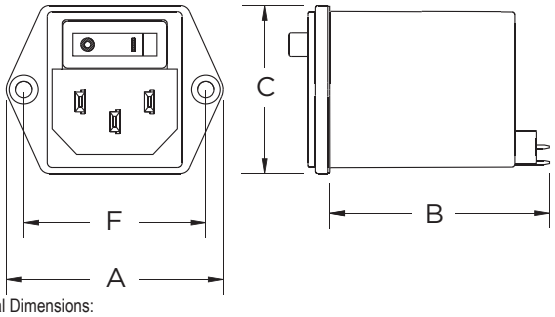
CU Series

Electrical Schematic



Case Styles

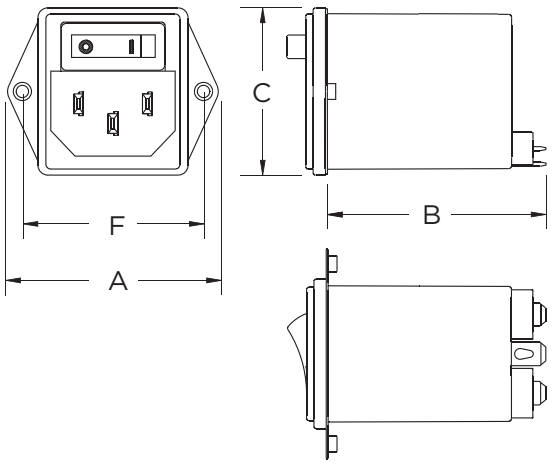
CUFE1



Typical Dimensions:

Mounting holes (2):	.138 [*3.5*] Dia. with .228 [*5.8*] Dia. x 90° countersink for M3 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot
Output Shroud:	.21 x .34 [*5.2 x 8.6*] inside dimension

CUFF1

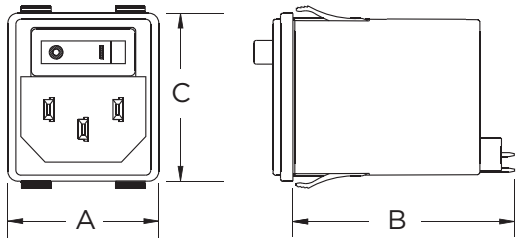


For rear mounted applications only. Maximum panel thickness: .157 [*4.0*]

Typical Dimensions:

Mounting Holes(2):	M3 x 0.5 Threaded flange
Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot
Output Shroud:	.21 x .34 [*5.2 x 8.6*] inside dimension

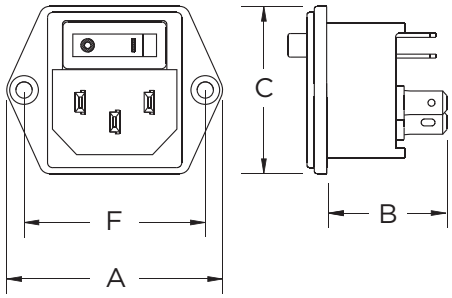
CUFS1



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (2):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot
Output Shroud:	.21 x .34 [*5.2 x 8.6*] inside dimension

CUE1

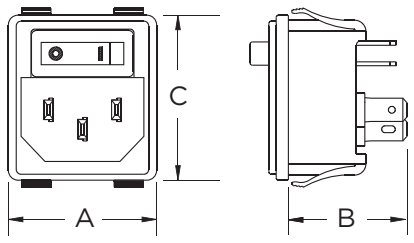


Note: Switch output terminal configuration may vary

Typical Dimensions:

Mounting holes (2):	.138 [*3.5*] Dia. with .228 [*5.8*] Dia. x 90° countersink for M3 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot

CUS1



Note: Switch output terminal configuration may vary

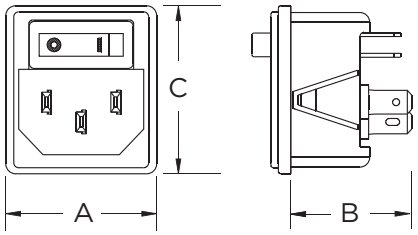
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot

CU Series

Case Styles *(continued)*

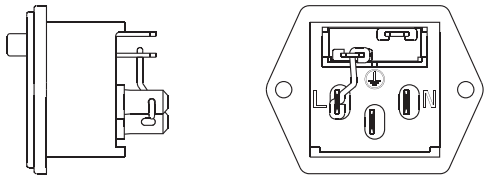
CU10S1 & CU15S1



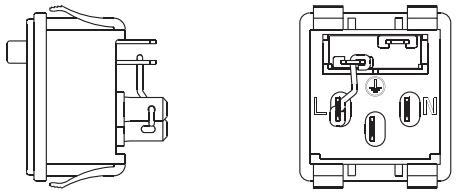
Available for panel thickness .07 - 1.0mm (CU10S1) or 1.2 - 1.5mm CU15S1
Note: Switch output terminal configuration may vary
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Terminals (4):	.187 [*4.8*] with .055 [*1.4*] Dia. hole
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot

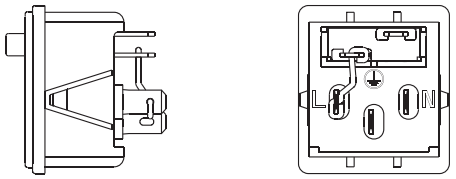
CUBE1 Pre-Connected Terminals



CUBS1 Pre-Connected Terminals



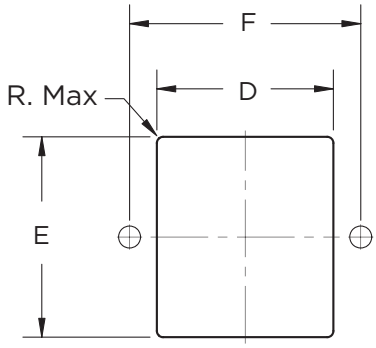
CU10BS1 & CU15BS1 Pre-Connected Terminals



Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .004 ± .100	E ± .004 ± .100	F ± .004 ± .100
CUFE1	**1.73** *43.9*	**1.75** *44.5*	**1.34** *34.1*	**1.11** *28.1*	**1.26** *31.9*	**1.45** *36.8*
CUFF1	**1.7** *43.1*	**1.8** *45.0*	**1.34** *34.1*	**1.21** *30.8*	**1.35** *34.3*	**1.45** *36.8*
CUFS1	**1.20** *30.6*	**1.8** *45.0*	**1.34** *34.1*	**1.11** *28.1*	**1.26** *32.0*	-
CUE1, CUBE1	**1.73** *43.9*	**.96** *24.6*	**1.34** *34.1*	**1.06** *26.9*	**1.09** *27.6*	**1.45** *36.8*
CUS1, CUBS1	**1.20** *30.6*	**0.97** *24.6*	**1.34** *34.1*	**1.04** *26.4*	**1.26** *32.0*	-
10CUS1, 10CUBS1	**1.20** *30.6*	**0.97** *24.6*	**1.34** *34.1*	**1.05** *26.7*	**1.24** *31.6*	-
15CUS1, 15CUBS1	**1.20** *30.6*	**0.97** *24.6*	**1.34** *34.1*	**1.05** *26.7*	**1.24** *31.6*	-

Recommended Panel Cutout

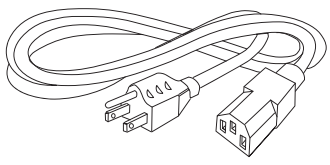


Model	Panel Thickness	R Dim.
CUFF1	.157 [*4.0*] max.	1.8 [*45.72*]
CUFS1, CUS1	.025 – .082 [*0.63 – 2.1*]	1.0 [*25.4*]
CU10S1	.028 – .039 [*0.7 – 1.0*]	1.0 [*25.4*]
CU15S1	.047 – .059 [*1.2 – 1.5*]	1.0 [*25.4*]

Note 1: CUFF1 allows for back mounting only
Note 2: All other models allow for front mounting only

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



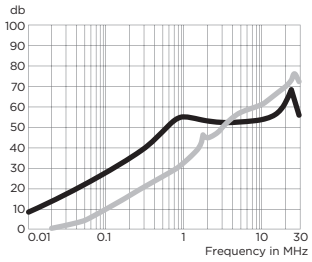
CU Series

Performance Data

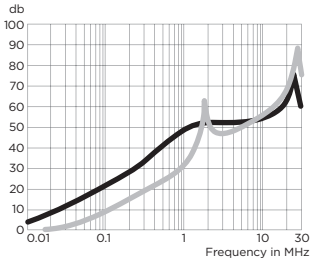
Typical Insertion Loss

Measured in closed 50 Ohm system

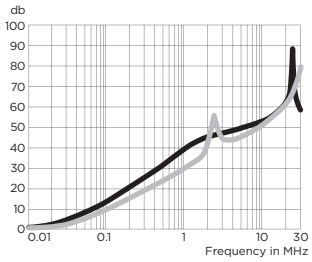
1CUF



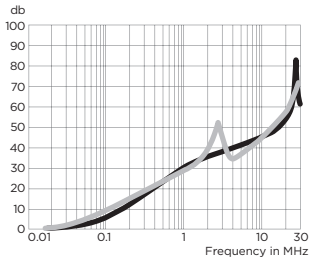
3CUF



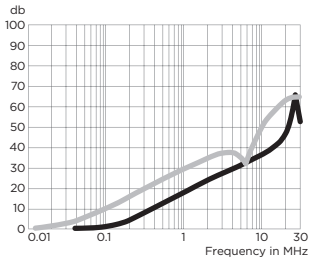
6CUF



10CUF



15CUF



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	.05	1	5	10	30
1A	19	30	44	49	47	44	45
3A	13	23	37	43	47	44	49
6A	5	14	28	34	43	43	48
10A	1	7	19	25	35	36	52
15A	-	1	10	13	25	27	42

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz						
	.05	.15	.05	1	5	10	30
1A	1	10	21	26	48	51	60
3A	1	10	20	26	42	45	65
6A	1	10	20	23	38	41	65
10A	1	10	20	23	29	34	56
15A	1	10	20	23	28	39	54

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

3 EBF 1

- Output Styles
  - 1 – .250 [*6.3*] spade terminals
  - 4 – Wire leads *(bottom)*
- EBF Series
- 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

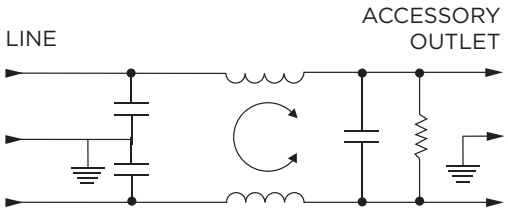
Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 1 to 10A

Operating Ambient Temperature 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: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



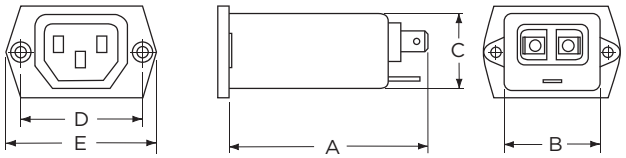
Available Part Numbers

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

EBF Series

Case Styles

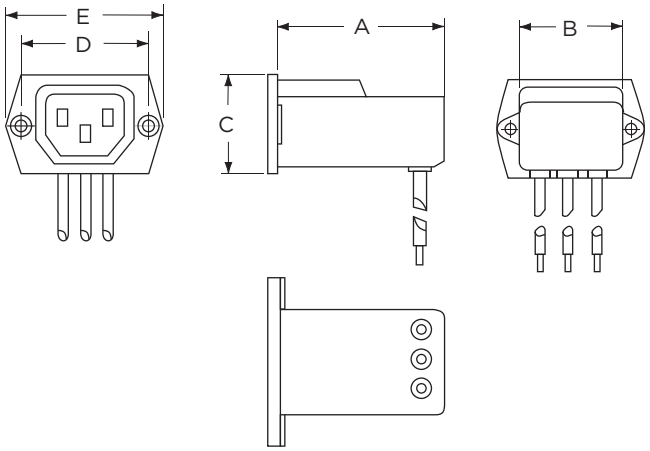
EBF1



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



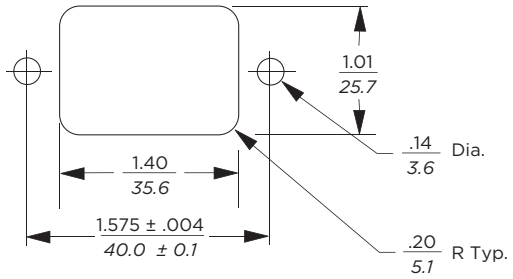
Typical Dimensions:

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 ± .01 / ± .25	E (max.)
EBF1	**2.57**	**1.33**	**1.00**	**1.575**	**1.99**
	65.3	*33.8*	*25.4*	*40.01*	*50.5*
EBF4	**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*]

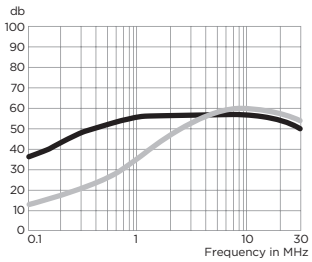
EBF Series

Performance Data

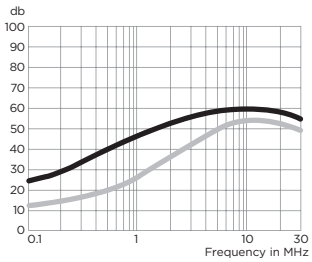
Typical Insertion Loss

Measured in closed 50 Ohm system

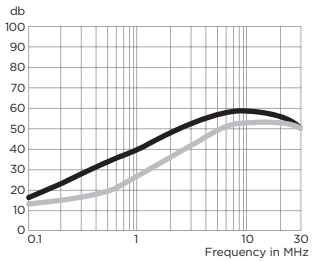
1EBF



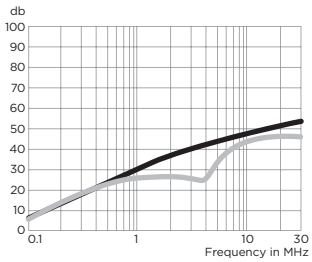
3EBF



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

EC Series

UL Recognized
CSA Certified
VDE Approved

EC Series

- Three element differential mode circuit provides the highest attenuation of any available standard inlet filter
- High common mode inductance
- High differential mode capacitance
- Effective attenuation of Line to Ground and Line to Line noise across the frequency range
- Performance and application similar to the ED series but with higher differential mode performance
- Includes several termination options

Ordering Information

3 EC 1

Output Styles
1 – .250 [*6.3*] spade terminals *(back)*
2 – .250 [*6.3*] spade terminals *(bottom)*
4 – Wire leads *(bottom)*
8 – Wire leads *(back)*

EC Series

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

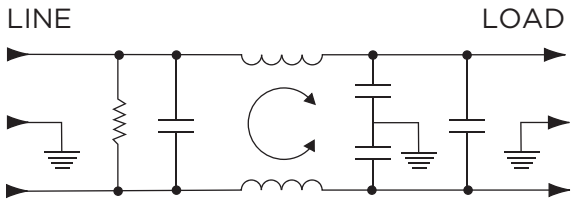
Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 1 to 10A

Operating Ambient Temperature 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: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



Available Part Numbers

1EC1	1EC2	1EC4	1EC8
3EC1	3EC2	3EC4	3EC8
6EC1	6EC2	6EC4	6EC8
10EC1			

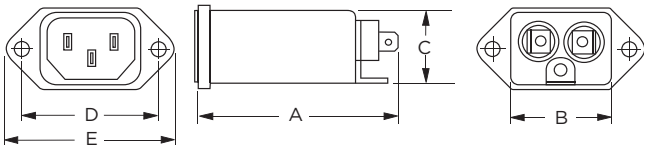
Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

For email, phone or live chat, please go to **te.com/help**
corcom.com

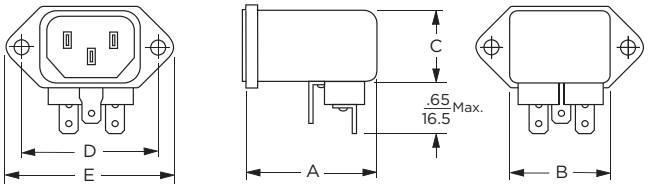
EC Series

Case Styles

EC1



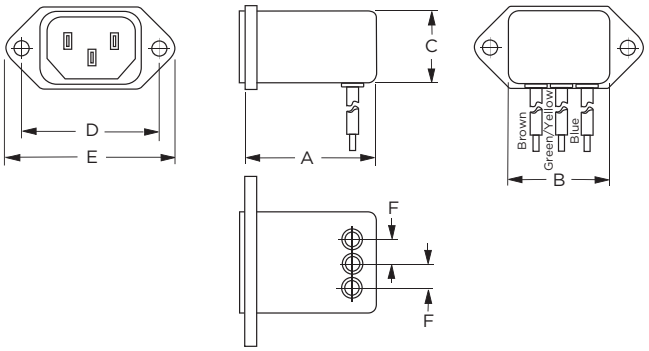
EC2



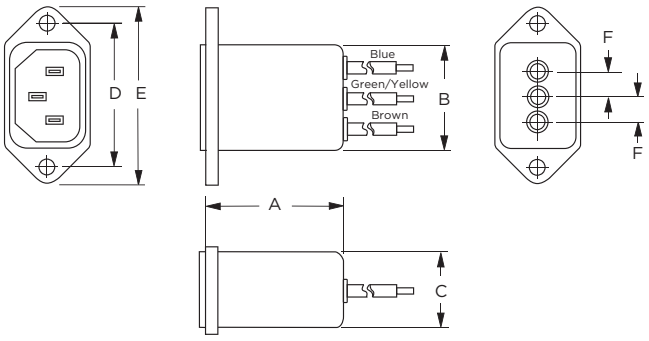
Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14
Load 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

EC4



EC8



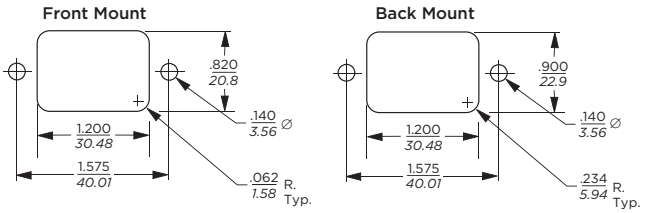
Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14
Wire Leads: 4.0 [*101.6*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)	F (ref.)
EC1	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	–
EC2	**1.97** *50.0*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	–
EC4	**1.97** *50.0*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
EC8	**1.98** *50.0*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	**.298** *7.5*

Recommended Panel Cutouts

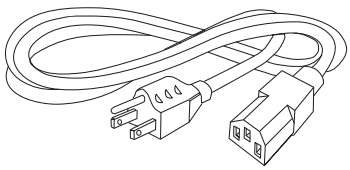


Tolerances ± .005 [*0.13*] unless otherwise noted

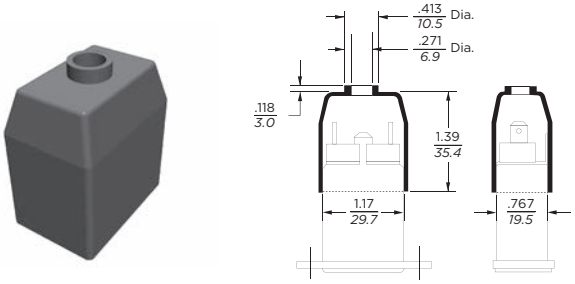
Note 1: EC1 and EC8 allow for front or back mounting
Note 2: EC2 and EC4 allow for back mounting only

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud



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.

For email, phone or live chat, please go to
te.com/help
corcom.com

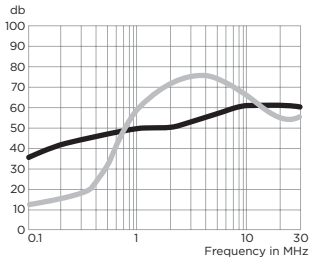
EC Series

Performance Data

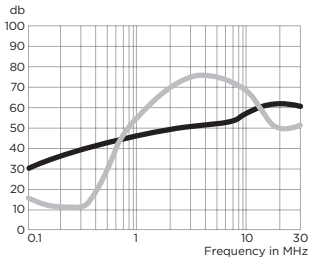
Typical Insertion Loss

Measured in closed 50 Ohm system

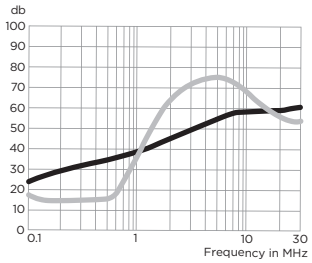
1EC



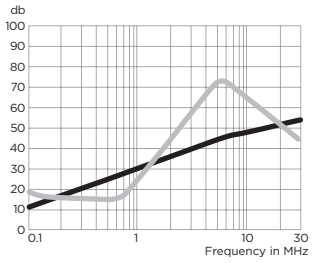
3EC



6EC



10EC



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)

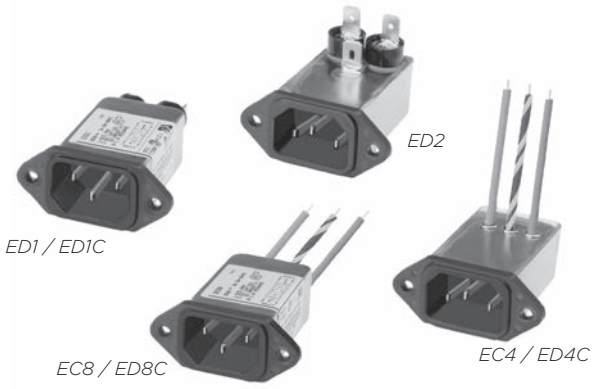
Current Rating	Frequency – MHz .15	.5	1	5	10	30
1A	25	35	40	50	50	50
3A	20	30	37	47	48	50
6A	15	22	25	40	45	50
10A	7	14	20	35	39	48

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .15	.5	1	5	10	20	30
EC1, EC2 & EC8							
1A	5	35	50	60	60	40	40
3A	5	25	45	60	55	34	34
6A	10	10	40	65	60	40	40
10A	10	10	27	65	56	38	38
EC4							
1A	5	35	50	60	60	33	33
3A	5	30	45	60	55	34	34
6A	10	10	40	65	60	33	33

ED Series

UL Recognized
CSA Certified
VDE Approved*



ED Series

- Two element circuit provides medium attenuation
- Available with an internal ground-circuit inductor (C versions) to isolate equipment chassis from power line ground at radio frequencies
- Versions up to 15A*
- Similar to EEJ Series with alternative termination options
- See the EC Series for better differential mode performance

Ordering Information

3 ED 1 C

- **Ground Circuit Inductor**
  Omit if none
- **Output Styles**
  1 – .250 [*6.3*] spade terminals *(back)*
  2 – .250 [*6.3*] spade terminals *(bottom)*
  4 – Wire leads *(bottom)*
  8 – Wire leads *(back)*
- **ED Series**
- **Current Rating**
  1, 3, 6, 10 or 15A

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

Specifications

Maximum leakage current each Line to 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

Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

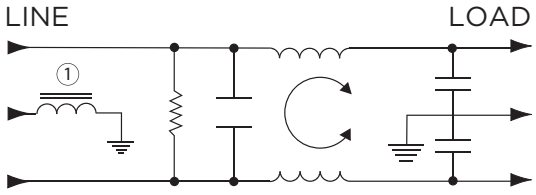
Rated Current: 1 to 15A*

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Available Part Numbers

1ED1	1ED2	1ED4	1ED8
3ED1	3ED2	3ED4	3ED8
6ED1	6ED2	6ED4	6ED8
10ED1			
15ED1			15ED8
Ground Circuit Inductor Versions			
6ED1C		6ED4C	6ED8C
10ED1C			

Electrical Schematic

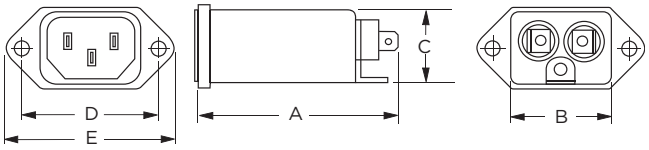


Note 1: C versions only

ED Series

Case Styles

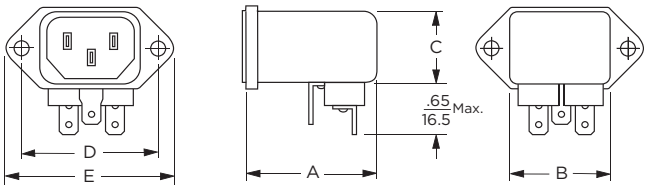
ED1 & ED1C



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

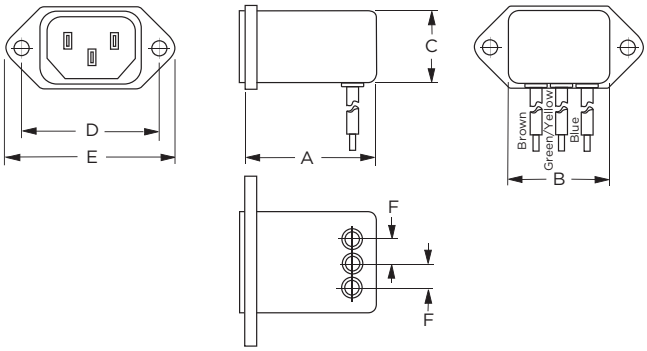
ED2



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

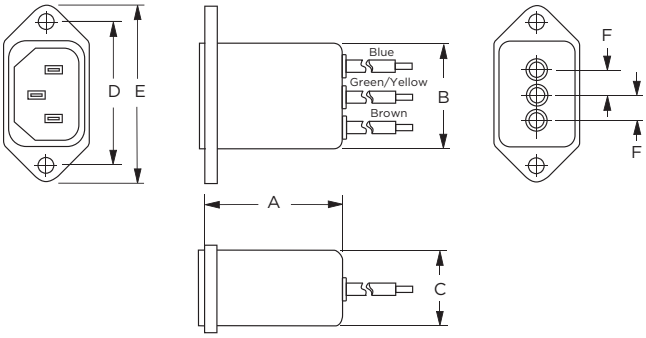
ED4 & ED4C



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

ED8 & ED8C



Typical Dimensions:

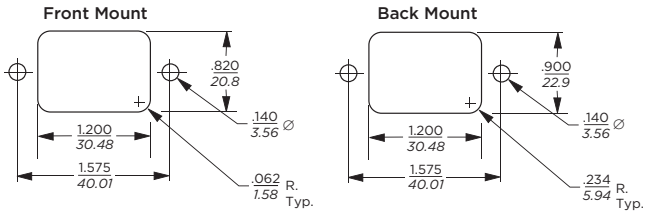
Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 ± .38	E (max.)	F (ref.)
1ED1, 3ED1, 6ED1	**2.21** *56.0*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
1ED2, 3ED2, 6ED2	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	-
1ED4, 3ED4, 6ED4	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
1ED8, 3ED8, 6ED8	**1.55** *39.4*	**1.19** *30.2*	**0.81** *20.06*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
6ED1C	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
6ED4C	**1.98** *50.3*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
6ED8C	**1.98** *50.3*	**1.19** *30.2*	**0.81** *20.06*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
10ED1 /1C, 15ED1	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
15ED8	**1.98** *1.98*	**1.19** *1.19*	**0.81** *0.81*	**1.575** *1.575*	**1.98** *1.98*	-

ED Series

Recommended Panel Cutouts

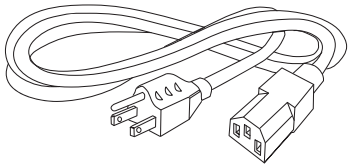


Tolerances ± .005 [*0.13*] unless otherwise noted

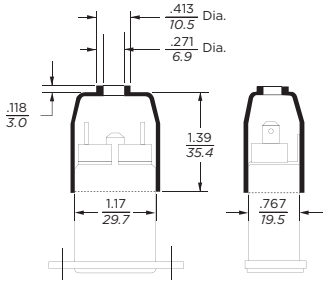
Note 1: ED1 and ED8 allow for front or back mounting
Note 2: ED2 and ED4 allow for back mounting only

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud

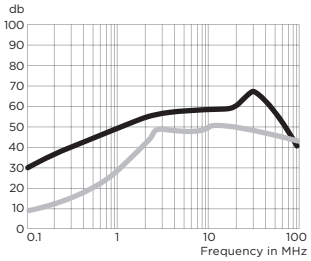


Performance Data

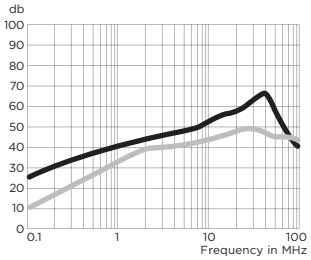
Typical Insertion Loss

Measured in closed 50 Ohm system

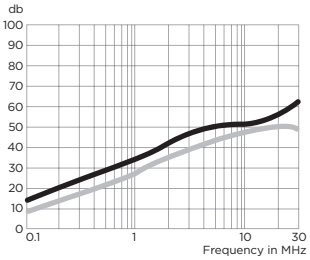
1ED



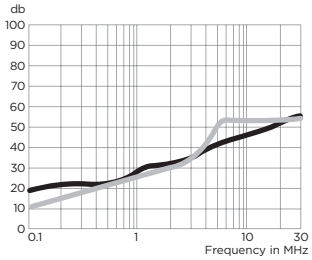
3ED



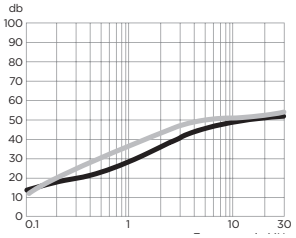
6ED



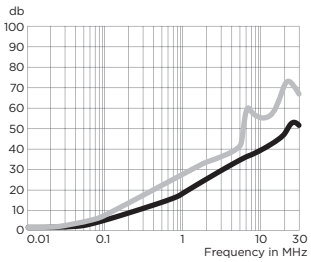
6ED1C



10ED1 & 10ED1C



15ED



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

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.

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ED Series

Performance Data *(continued)*

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz					
	.15	.5	1	5	10	30
ED1, ED2, ED4 & ED8						
1A	24	35	42	49	52	54
3A	20	29	36	45	50	54
6A	14	23	30	41	45	50
10A	8	14	20	35	39	45
15A	4	9	12	28	34	40
ED1C						
6A	14	20	25	37	42	50
10A	8	14	20	35	39	45
ED4C & ED8C						
6A	14	20	25	37	42	50

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz					
	.15	.5	1	5	10	30
ED1, ED2, ED4 & ED8						
1A	3	15	20	37	37	36
3A	3	15	20	37	37	36
6A	3	15	20	31	35	34
10A	6	15	20	23	44	47
15A	6	18	23	33	44	47
ED1C						
6A	7	17	23	36	42	42
10A	6	15	20	23	44	47
ED4C & ED8C						
6A	7	17	23	29	38	42

EEA & EEB Series

Including the EAS/EBS and EAH/EBH Models

UL Recognized
CSA Certified
VDE Approved

EEA2 / EEB2

EEA1 / EEB1

EEAP / EEBP

EEA Series

- Compact single stage EMI filter with IEC 60320-1 C14 inlet
- Two element circuit provides basic attenuation
- Same performance as the EF Series
- Available in three terminal configurations
- Supersedes EF Series

EEB Series

- Compact EMI filter with IEC 60320-1 C14 inlet
- Two element circuit provides extended attenuation
- Extended differential mode performance
- Available in three terminal configurations

EAS & EBS Models

- Same performance as EEA and EEB Series
- Snap–in mounting
- Spade terminals

EAH & EBH Models

- Same size as EEA and EEB
- Minimal leakage current suitable for medical applications
- Flange mounted
- Spade terminals

Specifications

Maximum leakage current each Line to Ground:

	EEA/EEB EAS/EBS	EAH/EBH
@ 120 VAC 60 Hz:	.22 mA	2 µA
@ 250 VAC 50 Hz:	.38 mA	5 µA

Hipot rating (one minute):

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

Rated Voltage (max.): 250 VAC

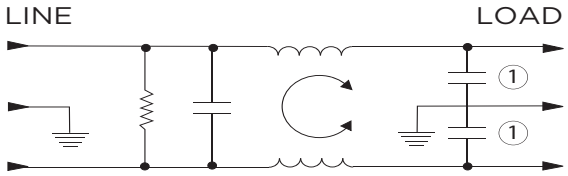
Operating Frequency: 50/60 Hz

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



Note 1: Not present in EAH / EBH versions

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EEA & EEB Series

Ordering Information

3 EEB 1

Output Styles
1 – .250 [*6.3*] spade terminals *(back)*
2 – .250 [*6.3*] spade terminals *(bottom)*
P – PC board pins

Series
EEA – Basic Inlet Filter
EAS – Snap-in EEA Filter
EAH – Medical EEA Filter
EEB – Extended EMI Performance
EBS – Snap-in EEB Filter
EBH – Medical EEB Filter

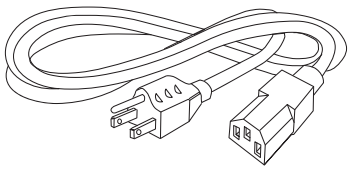
Current Rating
1, 3, 6, or 10A

Available Part Numbers

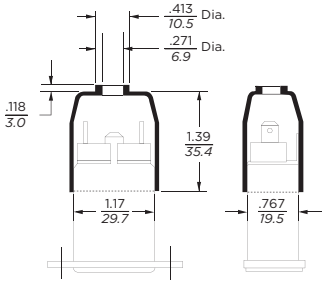
EEA Models	EEB Models
1EEA1	1EEB1
1EEA2	1EEB2
1EEAP	1EEBP
3EEA1	3EEB1
3EEA2	3EEB2
3EEAP	3EEBP
6EEA1	6EEB1
6EEA2	6EEB2
6EEAP	6EEBP
10EEA1	10EEB1
10EEA2	10EEB2
10EEAP	10EEBP
EAS Models	**EBS Models**
1EAS1	1EBS1
3EAS1	3EBS1
6EAS1	6EBS1
10EAS1	10EBS1
EAH Models	**EBH Models**
1EAH1	1EBH1
3EAH1	3EBH1
6EAH1	6EBH1
10EAH1	10EBH1

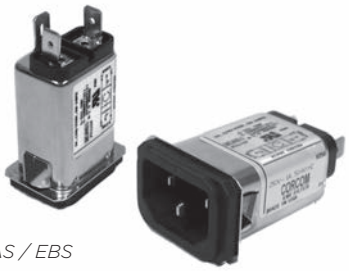
Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud





EAS / EBS

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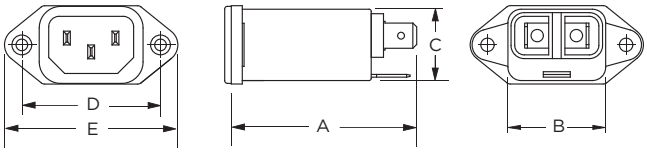
EEA & EEB Series

Case Styles

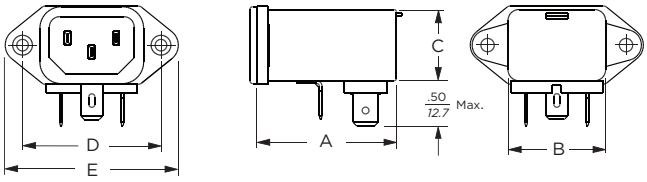
EEA1, EEB1, EAH1 & EBH1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

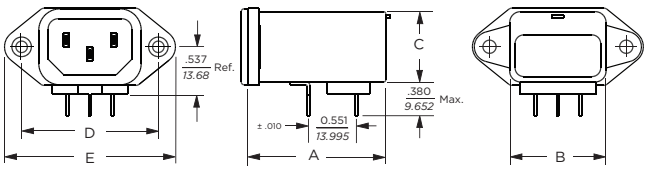
EEA2 & EEB2



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

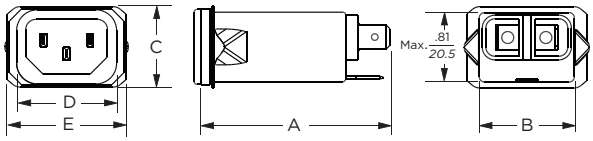
EEAP & EEBP



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
PC board pins (3):	.031 [*.07*] square, ± .003 [*.07*]

EAS1 & EBS1



Typical Dimensions:

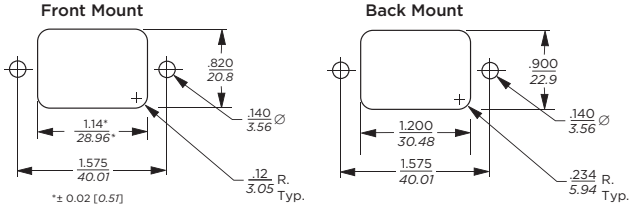
Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .010 / ± .25	E (max.)
EEA1, EEB1, EAH1, EBH1	**2.15** *54.6*	**1.12** *28.4*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*
EEA2, EEB2	**1.54** *39.1*	**1.12** *28.4*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*
EEAP, EEBP	**1.54** *39.1*	**1.12** *28.4*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*
EAS1, EBS1	**2.20** *55.88*	**1.15** *29.2*	**.96** *24.38*	**1.185** *30.10*	**1.41** *35.81*

Recommended Panel Cutouts

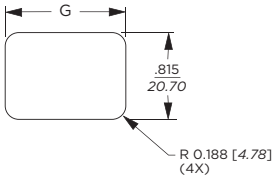
EEA, EEB, EAH, EBH



Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: EEA1, EEB1, EAH1, EBH1 can be front or back mounted
Note 2: EEA2, EEB2, EEAP and EEBP can be back mounted only

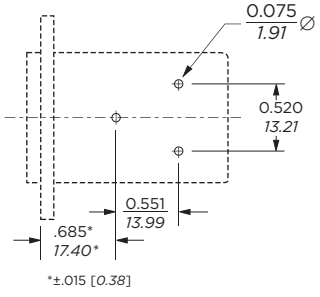
EAS, EBS



Front Mount only

Panel Thickness	G Dim. ± .002 [*.05*]
0.031 - 0.052 [*0.79 - 1.32*]	1.260 [*32.00*]
0.046 - 0.068 [*1.17 - 1.73*]	1.350 [*34.29*]

PC Board Layout



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EEA & EEB Series

Performance Data

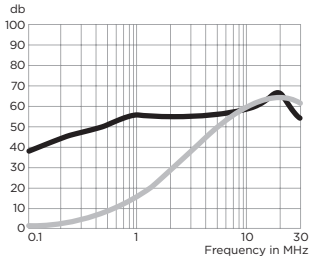
Typical Insertion Loss

Measured in closed 50 Ohm system

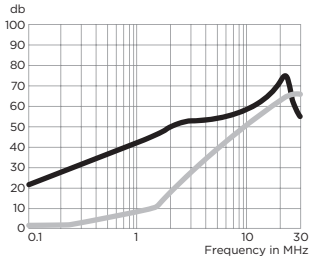
Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

EEA, EAS Models

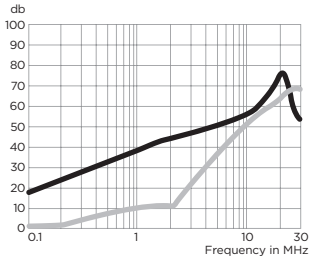
1A



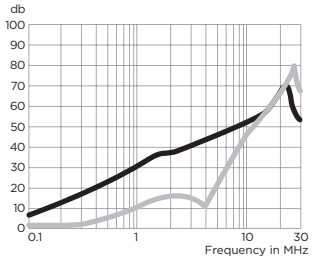
3A



6A

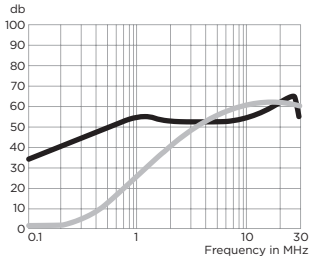


10A

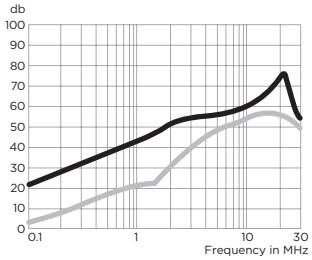


EEB, EBS Models

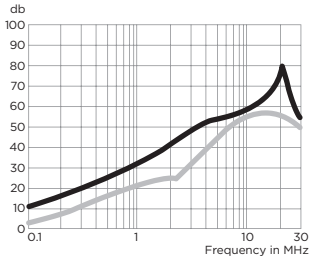
1A



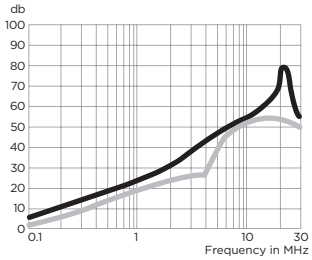
3A



6A

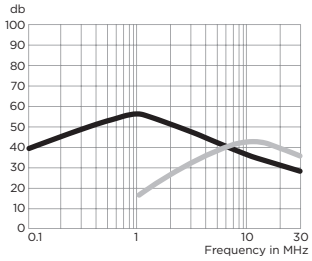


10A

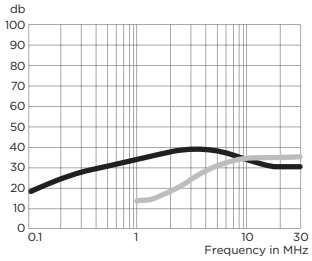


EAH Models

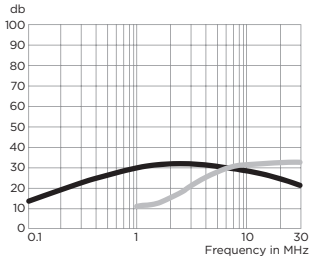
1A



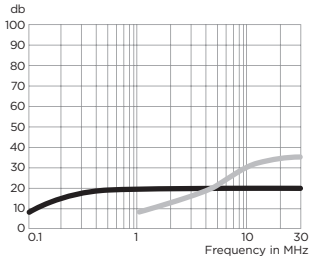
3A



6A

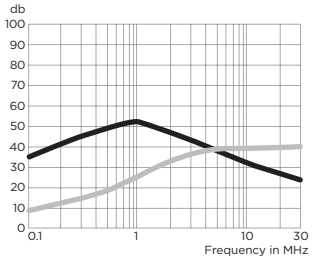


10A

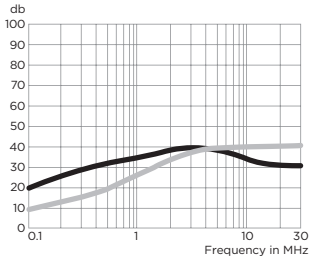


EBH Models

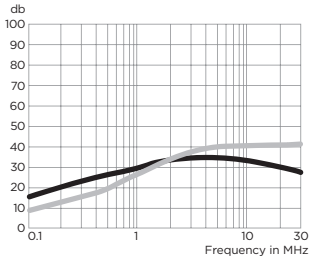
1A



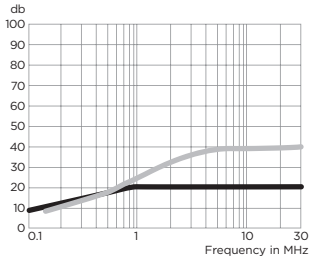
3A



6A



10A



EEA & EEB Series

Performance Data *(continued)*

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz .01	.05	.1	.15	.5	1	5	10	30
EEA / EAS 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 / EBS 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
EAH Models									
1A	8	21	29	32	42	45	32	30	19
3A	-	5	10	15	25	27	30	27	22
6A	-	-	5	6	19	21	24	20	15
10A	-	-	1	5	9	12	12	12	12
EBH Models									
1A	8	21	29	32	42	45	32	25	19
3A	-	5	10	15	25	27	30	27	22
6A	-	-	5	8	17	20	24	23	18
10A	-	-	-	3	8	12	12	12	12

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .5	1	1.5	3	5	10	30
EEA / EAS Models							
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

	Frequency – MHz .01	.15	.5	1	3	5	10	30
EEB / EBS 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

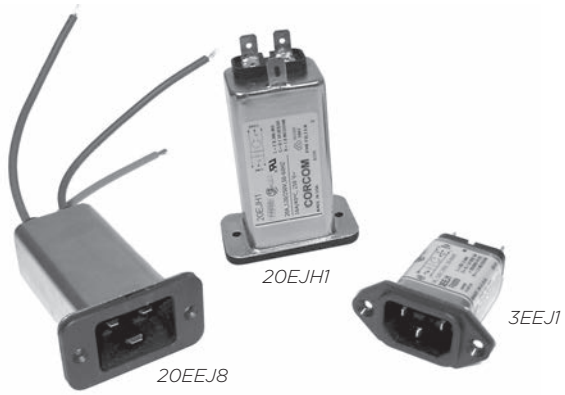
	Frequency – MHz 1	1.5	5	10	30
EAH Models					
1A	5	13	28	32	25
3A	4	6	20	27	28
6A	2	5	19	25	27
10A	1	5	15	22	27

	Frequency – MHz .15	.5	1	10	10	30
EBH Models						
1A	1	10	18	30	31	31
3A	1	10	18	30	31	31
6A	1	10	18	30	31	31
10A	1	10	18	30	31	31

EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

UL Recognized
CSA Certified
VDE Approved*



EEJ Series

- Compact EMI filter with IEC 60320-1 C14 Inlet
- Enhanced two element circuit provides medium attenuation to 30MHz
- Compact and cost-effective design
- Supersedes most ED Series versions
- Includes 20A version with standard IEC 60320-1 C20 inlet
- Several termination styles
- Flanged mounting

EJS Models

- Same performance as the EEJ Series
- Snap-in mounting
- Several termination styles
- Includes 20A version with standard IEC 60320-1 C20 inlet

EJH & EJHS Models

- Minimal leakage current suitable for patient-contact medical applications
- Flanged mounting the same as the EEJ Series
- Also available in snap-in versions (EJHS)
- Two element circuit provides modest EMI attenuation above 1MHz
- Capacitive input (refer to the H Series for capacitive output)
- EJHS models feature snap-in mounting

EJM & EJMS Models

- Low leakage current, suitable for most medical applications
- Improved EMI attenuation up to 200MHz
- Mechanically the same as the EEJ Series with flange or snap-in mounting
- EJMS models feature snap-in mounting

Specifications

Maximum leakage current each Line to Ground:

	EEJ/EJS	EJH	EJM
@ 120 VAC 60 Hz:	.22 mA	2 µA	.01 mA
@250 VAC 50 Hz:	.38 mA	5 µA	.017 mA

Hipot rating (one minute):

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

Rated Voltage (max.): 250 VAC

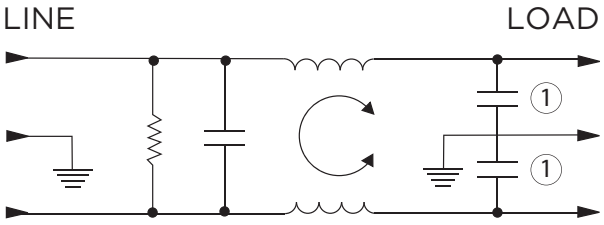
Operating Frequency: 50/60 Hz

Rated Current: 1 to 20A*

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



Note 1: Not present in EJH versions

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*
20A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 16A, 250VAC

EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

Ordering Information

3 EEJ 1

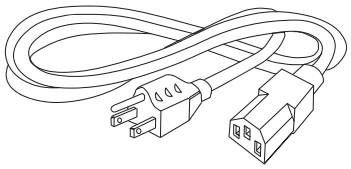
Output Styles
1 – .250 [*6.3*] spade terminals *(back)*
2 – .250 [*6.3*] spade terminals *(bottom)*
P – PC board pins
8 – Wire leads

Series
EEJ – Enhanced EMI Inlet Filter
EJS – EEJ in Snap-in Mounting
EJH – Enhanced Medical Inlet Filter
EJHS – EJH in Snap–in Mounting
EJM – Extended Performance Medical Inlet Filter
EJMS – EJM in Snap-in Mounting

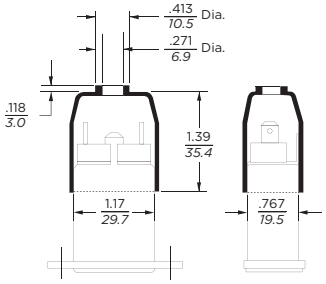
Current Rating
1, 3, 6, 10, 15 or 20A

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud



Available Part Numbers

EEJ Models	EJH Models
1EEJ1	1EJH1
1EEJ2	1EJH2
1EEJP	1EJHP
1EEJ8	1EJH8
3EEJ1	3EJH1
3EEJ2	3EJH2
3EEJP	3EJHP
3EEJ8	3EJH8
6EEJ1	6EJH1
6EEJ2	6EJH2
6EEJP	6EJHP
6EEJ8	6EJH8
10EEJ1	10EJH1
10EEJ2	10EJH2
10EEJP	10EJHP
10EEJ8	10EJH8
15EEJ1	15EJH1
15EEJ2	15EJH2
15EEJP	15EJHP
15EEJ8	15EJH8
20EEJ1	20EJH1
20EEJ8	20EJH8
EJS Models	**EJHS Models**
1EJS1	1EJHS1
1EJS8	1EJHS8
3EJS1	3EJHS1
3EJS8	3EJHS8
6EJS1	6EJHS1
6EJS8	6EJHS8
10EJS1	10EJHS1
10EJS8	10EJHS8
15EJS1	15EJHS1
15EJS8	15EJHS8
20EJS1	
20EJS8	
EJM Models	**EJMS Models**
1EJM1	1EJMS1
1EJM8	1EJMS8
3EJM1	3EJMS1
3EJM8	3EJMS8
6EJM1	6EJMS1
6EJM8	6EJMS8
10EJM1	10EJMS1
10EJM8	10EJMS8
15EJM1	15EJMS1
15EJM8	15EJMS8

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.

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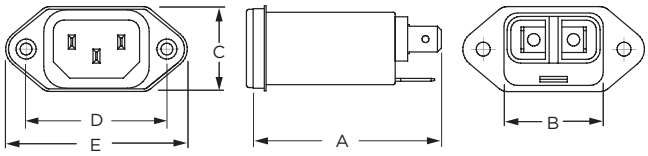
corcom.com

EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

Case Styles

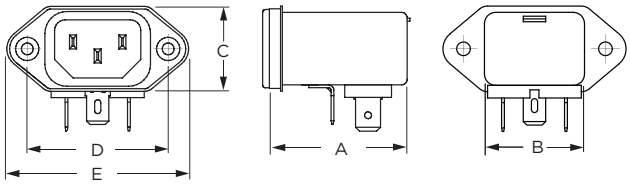
EEJ1, EJH1 & EJM1 *(1-15A)*



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

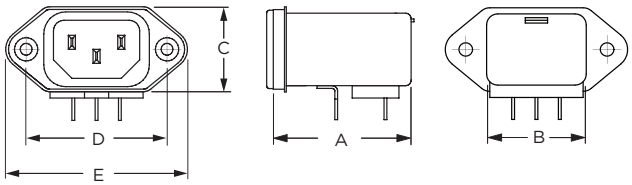
EEJ2 & EJH2 *(1-15A)*



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

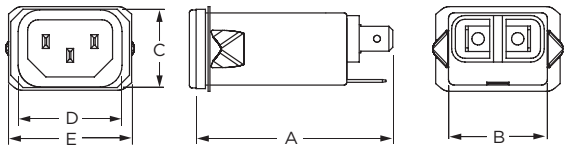
EEJP & EJHP *(1-15A)*



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
PC board pins (3):	.031 [*.07*] square, ± .003 [*.07*]

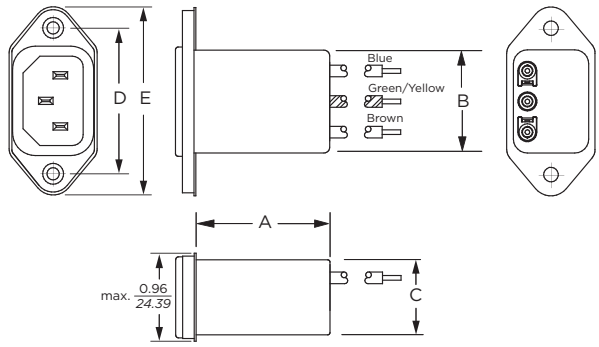
EJS1, EJHS1 & EJMS1 *(1-15A)*



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

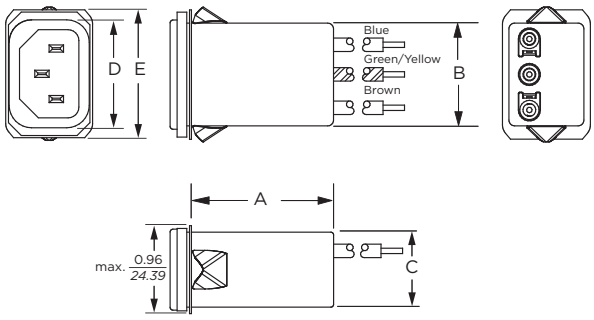
EEJ8, EJH8 & EJM8 *(1-15A)*



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

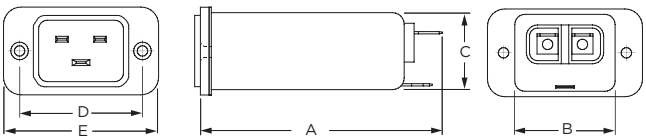
EJS8, EJHS8 & EJMS8 *(1-15A)*



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

20EEJ1 & 20EJH1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C20
Load 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

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.

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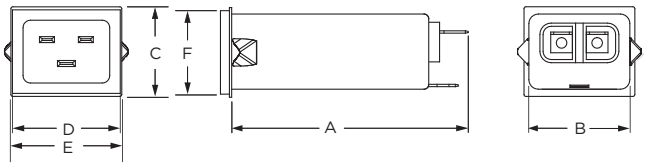
EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

Case Styles *(continued)*

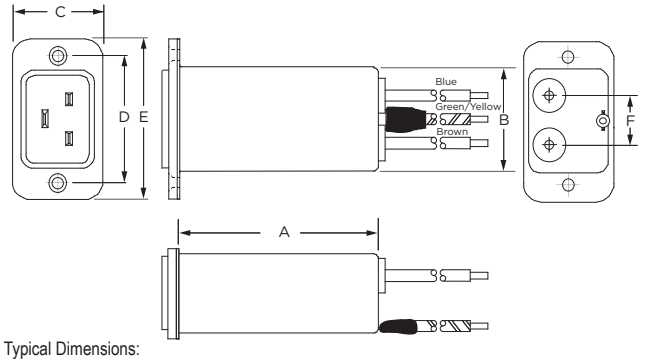
20EJS1



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C20
Load 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

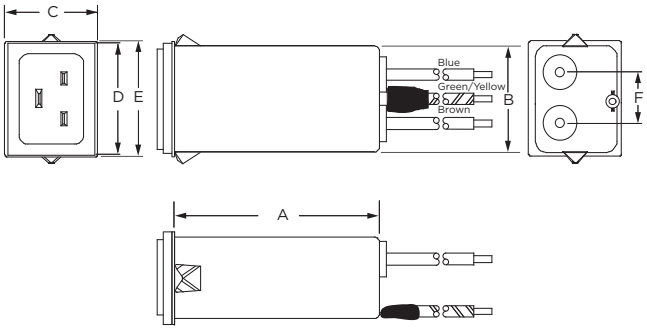
20EEJ8 & 20EJH8



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C20
Wire Leads:	4.0 [*101.6*] Min., 14AWG, UL1015

20EJS8

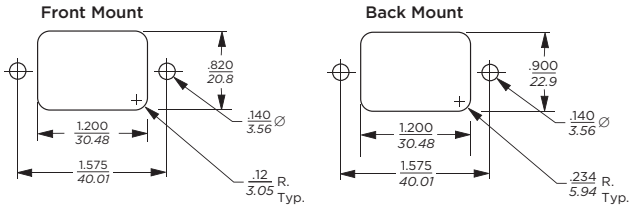


Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C20
Wire Leads:	4.0 [*101.6*] Min., 14AWG, UL1015

Recommended Panel Cutouts

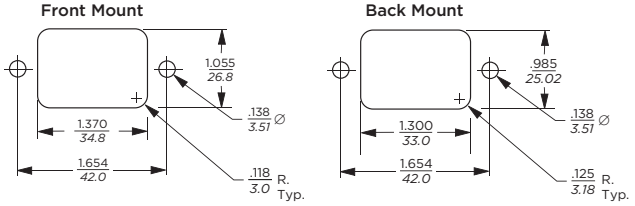
1 to 15A EEJ, EJH & EJM



Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: EEJ/EJH/EJM1 and EEJ/EJH/EJM8 can be front or back mounted
Note 2: EEJ/EJH2 and EEJ/EJHP can be back mounted only

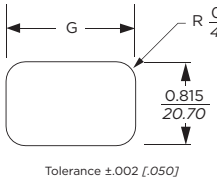
20A EEJ & EJH



Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: 20EEJ/EJH1 and 20EEJ/EJH8 can be front or back mounted

1 to 15A EJHS, EJMS & EJS



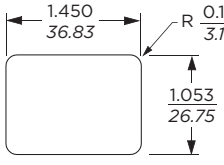
Tolerance ±.002 *[.050]*

Front Mount only

Panel Thickness	G Dim. ± .002 [*.05*]
0.031 - 0.052 [*0.79 - 1.32*]	1.260 [*32.00*]
0.046 - 0.068 [1.17 - 1.73]	1.350 [*34.29*]

Alternate snap configurations to fit other cut-out sizes also available. Contact TE's Corcom product engineering group for more details.

20A EJS

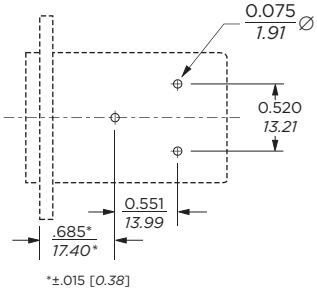


Tolerance ±.002 *[.050]*

Front Mount only

Panel Thickness
0.031 - 0.047 [*0.79 - 1.19*]

PC Board Layout



*±.015 [*0.38*]

EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)	F (ref.)
EEJ1, EJH1	**2.15** *54.61*	**1.13** *28.70*	**0.96** *24.38*	**1.580** *40.00*	**2.04** *51.76*	–
EJM1	**2.02** *51.3*	**1.13** *28.7*	**0.96** *24.4*	**1.58** *40.00*	**2.04** *51.8*	–
1-10A EEJ2, EJH2	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.580** *40.00*	**2.04** *51.76*	–
15A EEJ2, EJH2	**1.79** *45.47*	**1.13** *28.70*	**0.96** *24.38*	**1.580** *40.00*	**2.04** *51.76*	–
1-10A EEJP, EJHP	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.580** *40.00*	**2.04** *51.76*	–
15A EEJP, EJHP	**1.79** *45.47*	**1.13** *28.70*	**0.96** *24.38*	**1.580** *40.00*	**2.04** *51.76*	–
EJS1, EJHS1	**2.20** *55.88*	**1.13** *28.70*	**0.96** *24.38*	**1.19** *30.10*	**1.41** *35.81*	–
EJMS1	**2.02** *51.3*	**1.13** *28.7*	**0.96** *24.4*	-	**1.41** *35.8*	–
EEJ8, EJH8	**1.54** *39.12*	**1.13** *28.70*	**0.81** *20.70*	**1.58** *40.00*	**2.04** *51.76*	–
EJM8	**1.50** *38.1*	**1.13** *28.7*	**0.81** *20.7*	**1.58** *40.00*	**2.04** *51.8*	–
EJS8, EJHS8	**1.54** *39.12*	**1.13** *28.70*	**0.81** *20.70*	**1.19** *30.10*	**1.41** *35.81*	–
EJMS8	**1.50** *38.1*	**1.13** *28.7*	**0.96** *24.4*	-	**1.41** *35.8*	–
20EEJ1, 20EJH1	**3.13** *79.38*	**1.37** *34.79*	**1.18** *29.99*	**1.65** *42.01*	**2.09** *53.00*	–
20EJS1	**3.13** *79.38*	**1.35** *34.29*	**1.18** *29.99*	**1.42** *36.07*	**1.46** *37.08*	–
20EEJ8, 20EJH8	**2.65** *67.31*	**1.35** *34.29*	**1.18** *29.99*	**1.65** *42.01*	**2.09** *53.00*	**.62** *15.75*
20EJS8	**2.63** *66.80*	**1.35** *34.29*	**1.18** *29.97*	**1.46** *37.08*	**1.42** *36.08*	**.62** *15.75*

20EJS1

3EJS1

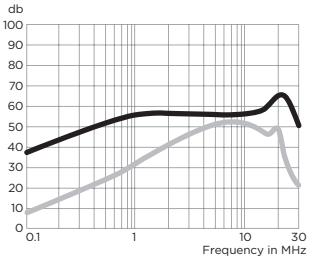
Performance Data

Typical Insertion Loss

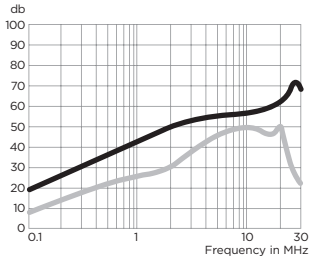
Measured in closed 50 Ohm system

EEJ & EJS Models

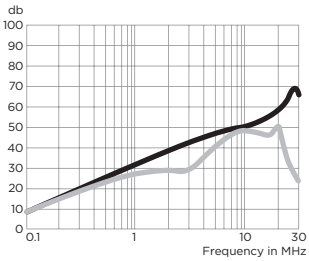
1A



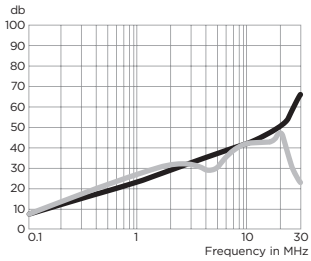
3A



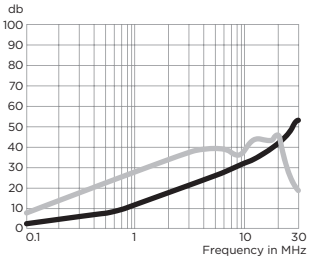
6A



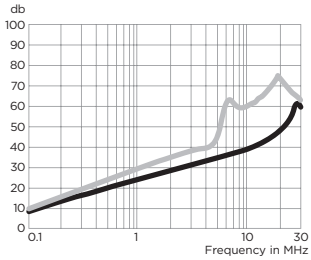
10A



15A



20A



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

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.

EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

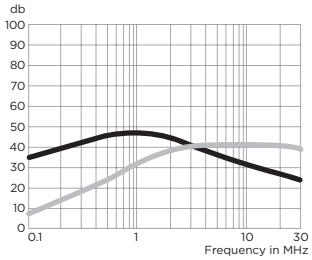
Performance Data *(continued)*

Typical Insertion Loss

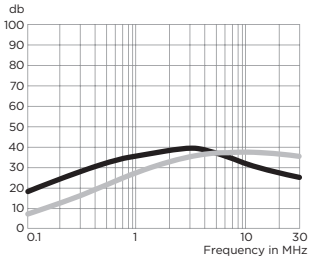
Measured in closed 50 Ohm system

EJH & EJHS Models

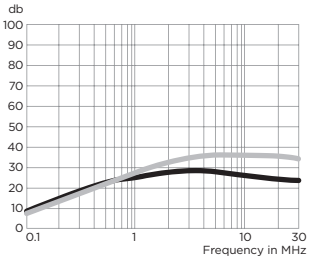
1A



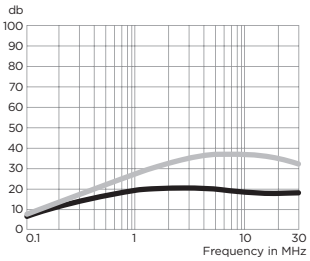
3A



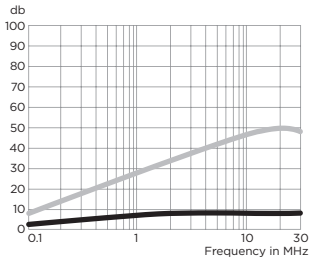
6A



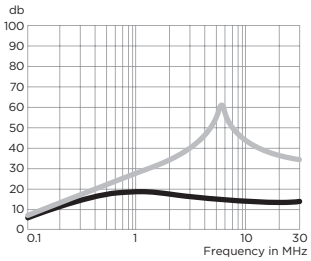
10A



15A

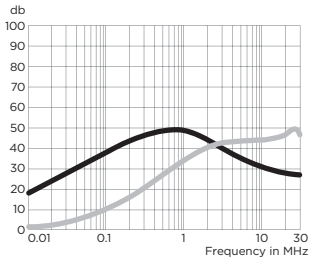


20A

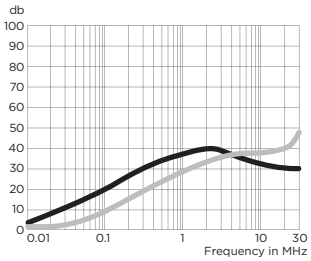


EJM & EJMS Models

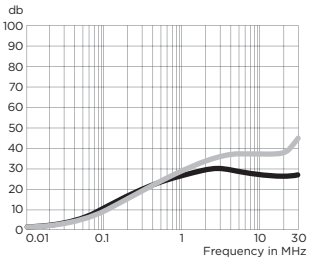
1A



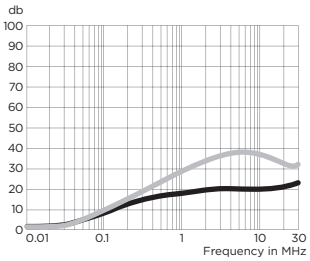
3A



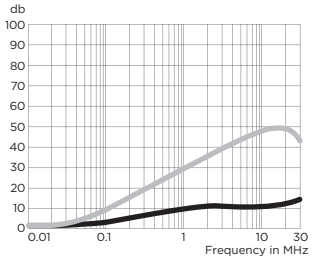
6A



10A



15A



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

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.

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EEJ Series

Including the EJH/EJHS, EJM/EJMS and EJS Models

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz								
	.01	.05	.1	.15	.5	1	5	10	30
EEJ / EJS Models									
1A	15	27	29	32	41	47	47	47	40
3A	-	10	15	20	30	39	48	50	60
6A	-	1	5	9	21	28	41	44	54
10A	-	1	4	7	14	18	31	36	51
15A	-	-	-	2	5	8	21	26	42
20A	-	-	3	5	14	21	30	33	42
EJH Models									
1A	13	26	33	36	41	41	31	26	18
3A	-	9	15	19	27	31	30	26	20
6A	-	2	6	9	20	22	31	20	18
10A	-	1	4	7	12	17	19	18	18
15A	-	-	1	2	3	3	4	2	2
20A	-	-	3	5	14	16	12	11	11

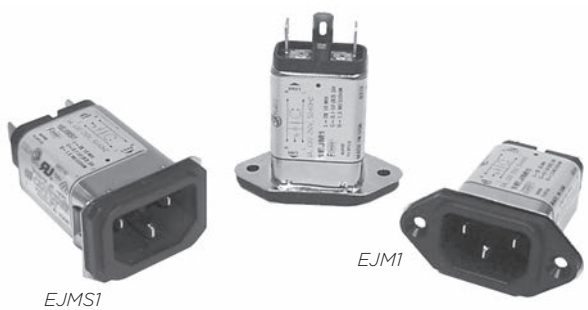
Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz								
	.01	.05	.1	.15	.5	1	5	10	30
EEJ / EJS Models									EEJ EJS
1A	-	-	5	8	19	27	45	43	40 9
3A	-	-	5	8	17	20	39	42	40 11
6A	-	-	5	8	17	21	32	40	40 16
10A	-	-	5	8	17	21	23	36	38 16
15A	-	-	5	8	17	23	33	30	38 11
20A	-	-	5	2	17	25	38	48	48 48
EJH Models									
1A	13	26	33	36	41	41	31	26	18
3A	-	9	15	19	27	31	30	26	20
6A	-	2	6	9	20	22	31	20	18
10A	-	1	4	7	12	17	19	18	18
15A	-	-	1	2	3	3	4	2	2
20A	-	-	3	5	14	16	12	11	11

EJM & EJMS Models

Current Rating	Frequency – MHz								
	.05	.5	1	10	20	30	80	150	200
1A	25	41	37	18	15	13	15	14	7
3A	6	27	30	21	19	19	23	13	7
6A	2	17	20	17	17	14	23	13	7
10A	1.5	11	12	9	8	9	20	19	12
15A	0.5	2	3	4	2	10	12	17	11

Current Rating	Frequency – MHz								
	.05	.5	1	10	20	30	80	150	200
1A	1.5	21	28	34	36	29	27	34	28
3A	1.5	17	23	29	31	37	33	32	28
6A	1.5	16	22	28	29	34	37	37	32
10A	2	16	22	28	24	18	27	32	30
15A	1.5	17	23	35	34	29	27	29	25



EJMS1

EJM1

EF Series

UL Recognized
CSA Certified
VDE Approved*

EF Series

- Compact single stage EMI filter with IEC 60320-1 C14 inlet
- Two element circuit provides basic attenuation
- Available with an internal ground-circuit inductor (C suffix versions) to isolate equipment chassis from power line ground at radio frequencies
- Superseded by the EEA Series

Ordering Information

3 EF 1F C

Ground Circuit Inductor
Omit if none

Output Styles
1F – .250 [6.3] spade terminals *(back)*
2F – .250 [6.3] spade terminals *(bottom)*
4 – Wire leads *(bottom)*
8 – Wire leads *(back)*

EF Series

Current Rating
1, 3, 6, 10 or 15A

Available Part Numbers

1EF1F	1EF2F	1EF4	1EF8
3EF1F	3EF2F	3EF4	3EF8
6EF1F	6EF2F	6EF4	6EF8
10EF1F			
15EF1F			
Ground Circuit Inductor Versions			
10EF1FC			

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: .21 mA
@250 VAC 50 Hz: .36 mA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

Rated Voltage (max.): 250 VAC

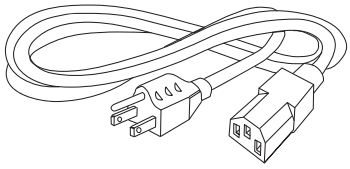
Operating Frequency: 50/60 Hz

Rated Current: 1 to 15A*

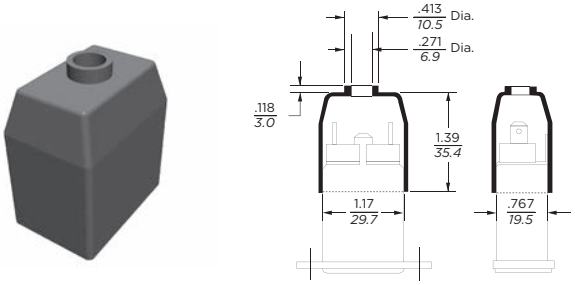
Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud



**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

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.

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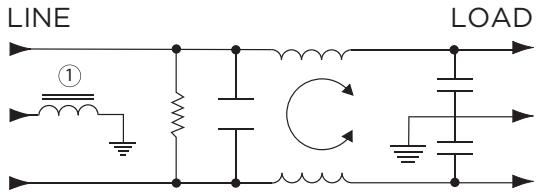
corcom.com

EF Series

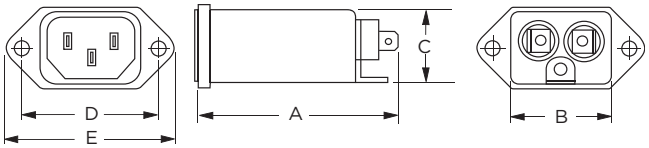
Electrical Schematic



Note 1: C Suffix (ground choke) versions only

Case Styles

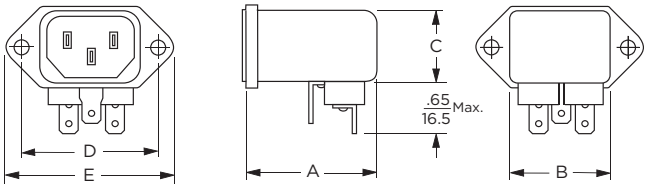
EF1F & EF1FC



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

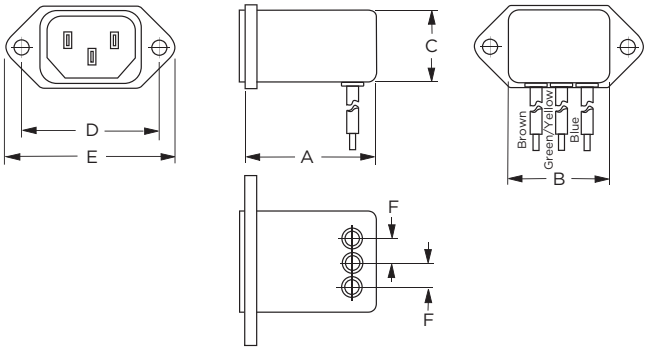
EF2F



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

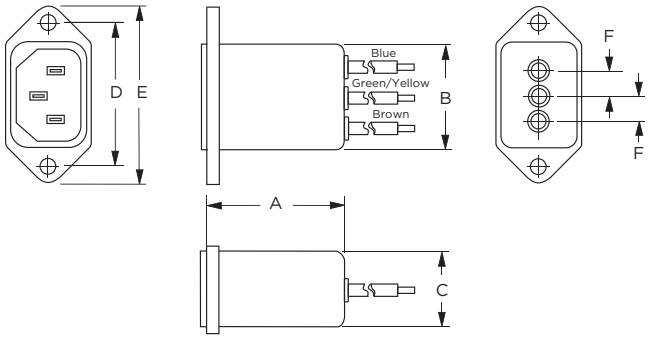
EF4



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

EF8



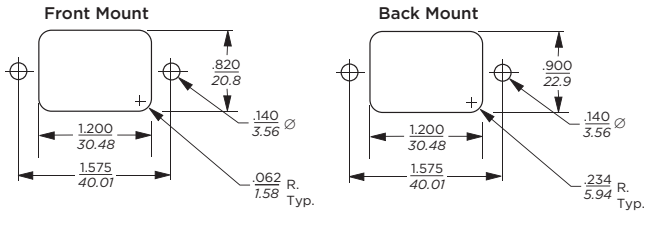
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 ± .38	E (max.)	F (ref.)
1EF1F, 3EF1F, 6EF1F	**2.21** *56.0*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
1EF2F, 3EF2F, 6EF2F	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	-
1EF4, 3EF4, 6EF4	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
1EF8, 3EF8, 6EF8	**1.55** *39.4*	**1.19** *30.2*	**0.81** *20.06*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
10EF1F, 10EF1FC	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
15EF1F	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-

Recommended Panel Cutouts



Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: EF1F, EF1FC and EF8 allow for front or back mounting
Note 2: EF2F and EF4 allow for back mounting only

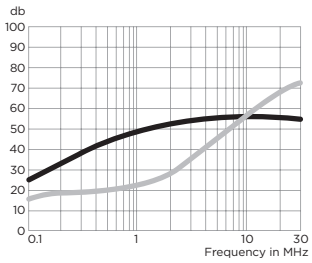
EF Series

Performance Data

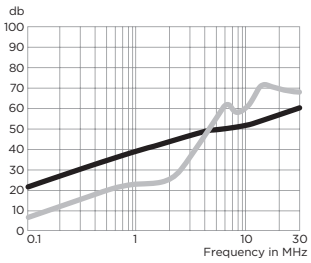
Typical Insertion Loss

Measured in closed 50 Ohm system

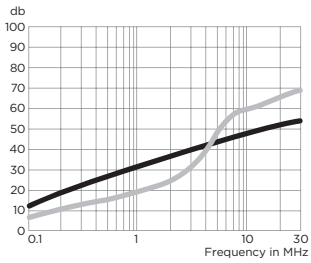
1EF



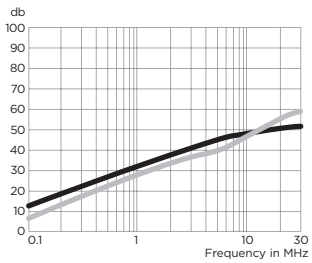
3EF



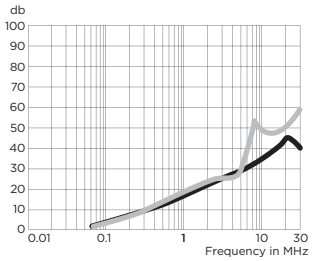
6EF



10EF



15EF



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

Minimum Insertion Loss

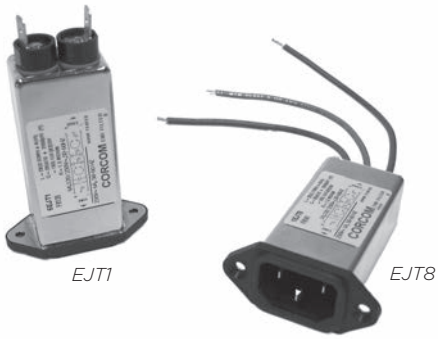
Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz .15	.5	1	5	10	30
EF1F, EF2F						
1A	22	35	40	46	50	49
3A	15	25	30	45	50	54
6A	9	20	25	41	45	50
10A	8	15	20	34	39	44
15A	-	6	12	20	25	25
EF4, EF8						
1A	22	35	40	46	50	49
3A	15	25	30	45	50	54
6A	9	20	25	41	45	47
EF1FC						
10A	8	15	20	34	39	44

EJT Series

UL Recognized
CSA Certified
VDE Approved*



EJT Series

- Superior EMI filter with IEC 60320-1 inlet
- Double three element differential mode circuit attenuates noise up to 1GHz
- Up to 15A with IEC 60320-1 C14 inlet
- 20A rating with IEC 60320-1 C20 inlet
- Spade terminals or wire leads

Ordering Information

6 EJT 1

- Output Styles
  - 1 – .250 [*6.3*] spade terminals
  - 8 – Wire leads
- EJT Series
- Current Rating
  - 1, 3, 6, 10, 15 or 20A

Available Part Numbers

1EJT1	1EJT8
3EJT1	3EJT8
6EJT1	6EJT8
10EJT1	10EJT8
15EJT1	15EJT8
20EJT1	20EJT8

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC.*
20A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 16A, 250VAC.

Specifications

Maximum leakage current each Line to Ground:

	1-15A	20A
@ 120 VAC 60 Hz:	.25 mA	.22 mA
@250 VAC 50 Hz:	.43 mA	.40 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

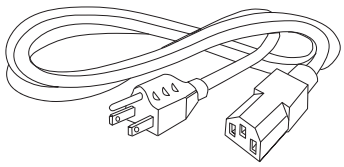
Rated Current: 1 to 20A*

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C

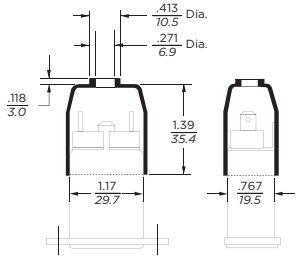
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud *(fits 1-15A only)*



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.

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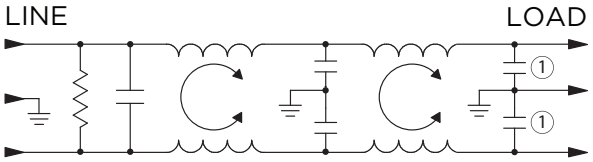
corcom.com

EJT Series

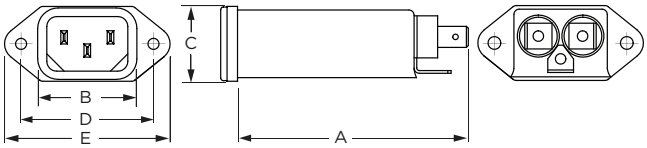
Electrical Schematics



Note 1: 20A versions only

Case Styles

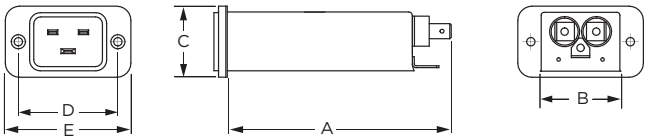
EJT1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

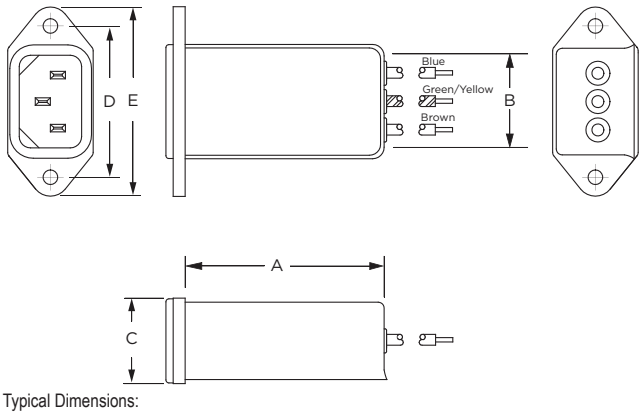
20EJT1



Typical Dimensions:

Mounting holes (2):	.126 [*3.20*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C20
Load 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

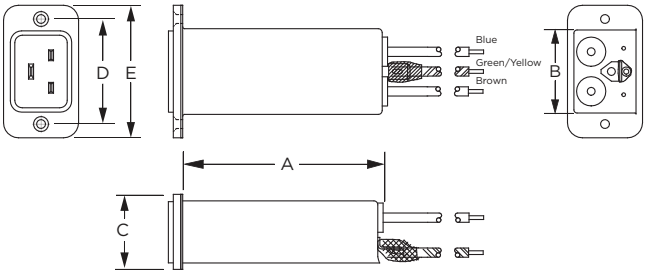
EJT8



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

20EJT8



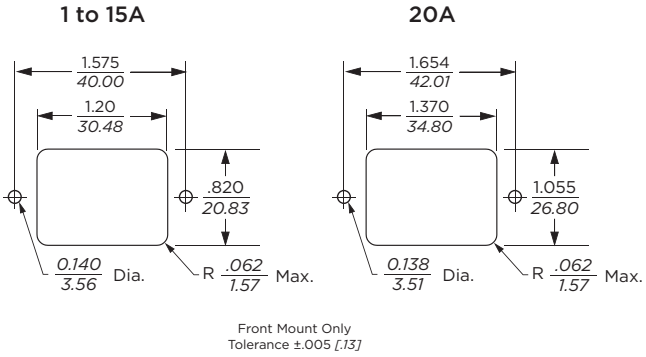
Typical Dimensions:

Mounting holes (2):	.126 [*3.20*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C20
Wire Leads:	4.0 [*101.6*] Min., 14AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D (max.)	E (max.)
EJT1	**2.74**	**1.19**	**0.875**	**1.575**	**1.98**
	69.6	*30.2*	*22.2*	*40.0*	*50.3*
EJT8	**2.1**	**1.19**	**0.875**	**1.575**	**1.98**
	53.3	*30.2*	*22.2*	*40.0*	*50.3*
20EJT1	**3.8**	**1.350**	**1.18**	**1.654**	**2.087**
	96.52	*34.29*	*29.99*	*42.01*	*53.00*
20EJT8	**3.2**	**1.350**	**1.18**	**1.654**	**2.087**
	81.28	*34.29*	*29.99*	*42.01*	*53.00*

Recommended Panel Cutouts



Front Mount Only
Tolerance ±.005 *[.13]*

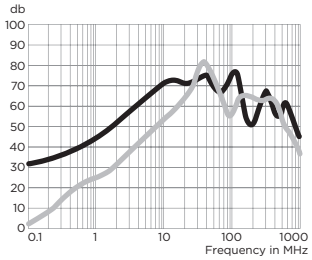
EJT Series

Performance Data

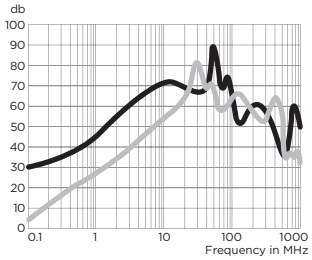
Typical Insertion Loss

Measured in closed 50 Ohm system

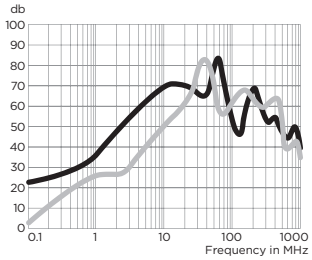
1EJT



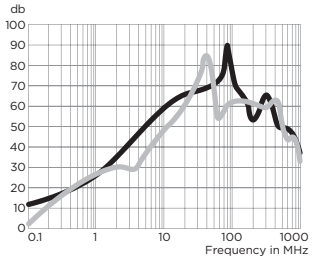
3EJT



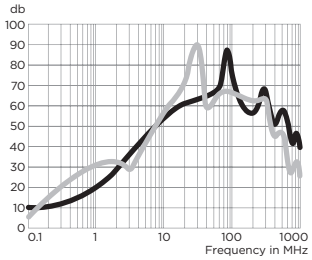
6EJT



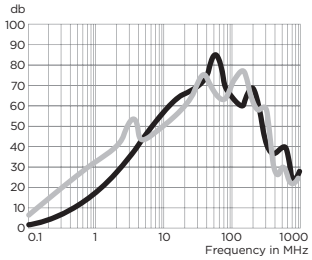
10EJT



15EJT



20EJT



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							
	.15	.5	1	5	10	30	100	1000
1A	27	33	40	59	65	65	61	14
3A	22	30	34	57	63	69	61	10
6A	13	21	27	51	60	65	59	14
10A	7	14	21	43	52	61	61	14
15A	4	10	15	38	48	63	63	14
20A	-	8	15	42	50	60	58	14

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz							
	.15	.5	1	5	10	30	100	1000
1A	10	20	23	43	52	65	45	14
3A	10	20	24	41	51	59	52	17
6A	10	21	24	37	48	65	55	20
10A	10	21	25	28	44	63	53	18
15A	10	20	26	25	36	56	45	23
20A	9	20	26	40	35	48	50	10

Smallest Power Entry Module with Metric Fuse Holders

GG & HG Series

UL Recognized
CSA Certified
VDE Approved

GG1 *GG8*

GG Series

- Power entry module with enhanced EMI filter
- Single or dual fusing
- Two element circuit provides basic attenuation
- Available with an internal ground-circuit inductor (C versions) to isolate equipment chassis from power line ground at radio frequencies
- Multiple termination and mounting styles

HG Series

- Medical version of our GG Series
- Mechanically identical to GG Series
- Available only with dual fusing

Ordering Information

3 E GG 1 C -2

- **Metric Fuse Holders**
  1 – Single
  2 – Double
- **Ground Circuit Inductor**
  Omit if none
- **Output Styles**
  1 – .250 [*6.3*] spade terminals
  8 – Wire leads
- **GG or HG Series** *(Flange mount)*
  GGS or HGS Series *(Snap-in mount)*
- **Leakage current designation**
  E – Low leakage *(<0.5 mA)*
- **Current Rating**
  1, 3, 6 or 10A

Specifications

Maximum leakage current each Line to Ground:

	HG Models	GG Models
@ 120 VAC 60 Hz:	2 µA	.25 mA
@250 VAC 50 Hz:	5 µA	.42 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

Required Fuse(s): 5 x 20mm *(not included)*

Available Part Numbers

Filtered modules			
1EGG1-1	3EGG1-1	6EGG1-1	10EGG1-1
1EGG1-2	3EGG1-2	6EGG1-2	10EGG1-2
1EGG8-1	3EGG8-1	6EGG8-1	10EGG8-1
1EGG8-2	3EGG8-2	6EGG8-2	10EGG8-2
1EGS1-1	3EGS1-1	6EGS1-1	10EGS1-1
1EGS1-2	3EGS1-2	6EGS1-2	10EGS1-2
Filtered modules with ground circuit inductor			
1EGG1C-1	3EGG1C-1	6EGG1C-1	
1EGG1C-2	3EGG1C-2	6EGG1C-2	
1EGG8C-1	3EGG8C-1	6EGG8C-1	
1EGG8C-2	3EGG8C-2	6EGG8C-2	
Medical filter modules			
1EHG1-2	3EHG1-2	6EHG1-2	10EHG1-2
1EHG8-2	3EHG8-2	6EHG8-2	10EHG8-2
1EHGS1-2	3EHGS1-2	6EHGS1-2	10EHGS1-2

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.

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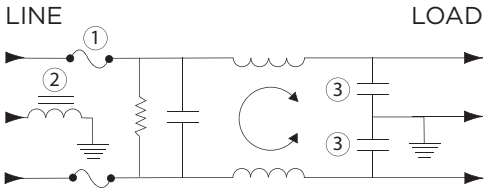
GG & HG Series

Electrical Schematic

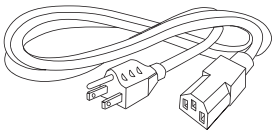


Note 1: Second fuse only in -2 version
Note 2: C versions only
Note 3: Not present in HG versions

Warning: Do not attempt to operate a single-fused model without the fuse door in place.

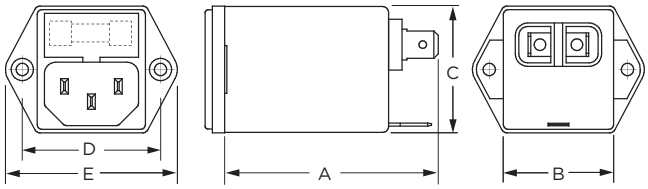
Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



Case Styles

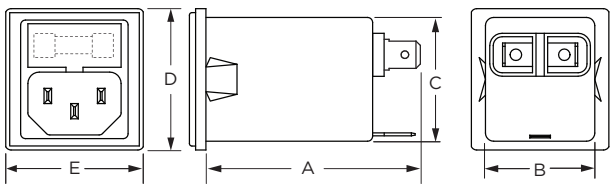
GG1, GG1C & HG1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

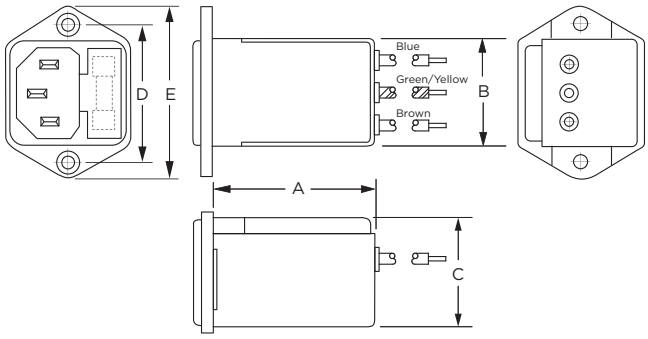
GS1 & HGS1



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

GG8 & HG8



Typical Dimensions:

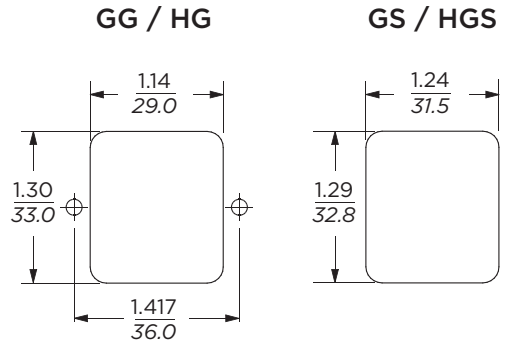
Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	5.0 [*127.0*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)
GG1 & HG1	**2.13** *54.5*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*
GG1C	**2.45** *62.23*	**1.13** *28.7*	**1.28** *32.5*	**1.417** *36.0*	**1.76** *44.7*
GS1, HGS1	**2.13** *54.0*	**1.13** *28.7*	**1.28** *32.5*	**1.46*** *36.0**	**1.42** *36.1*
GG8, HG8	**2.02** *51.1*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*

*max. dimension

Recommended Panel Cutouts



Typical Dimensions:
GS / HGS panel thickness: 0.032 – 0.080 [*0.81 – 2.03*]
Corner radius: 0.138 [*0.35*]

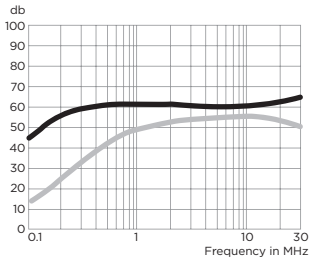
GG & HG Series

Performance Data

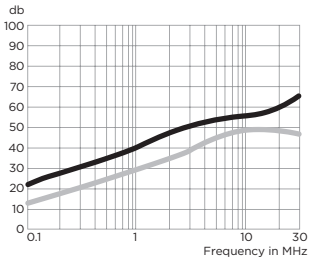
Typical Insertion Loss Measured in closed 50 Ohm system

GG & GS Models

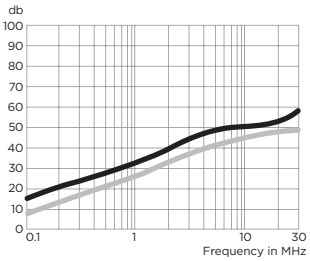
1A



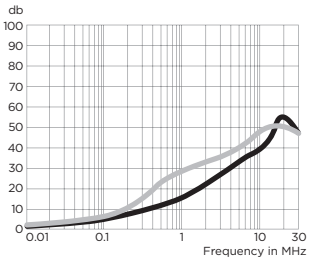
3A



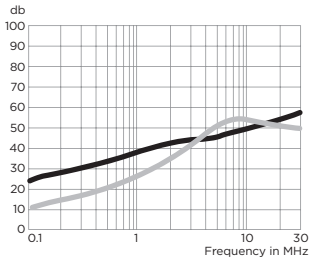
6A



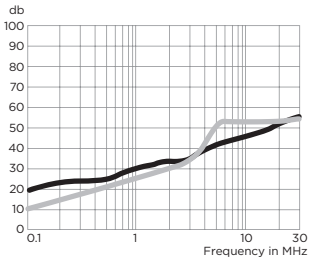
10A



3A GG1C



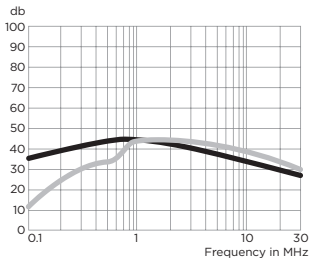
6A GG1C



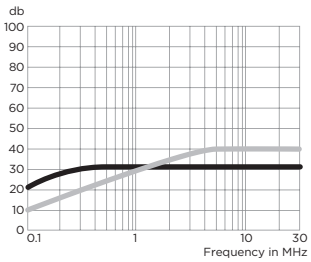
Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

HG Models

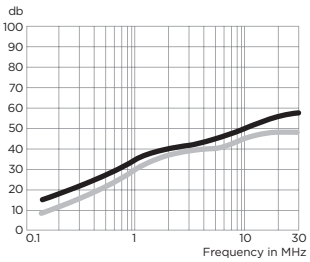
1A



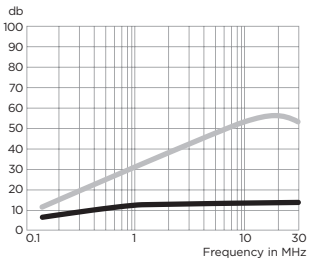
3A



6A



10A



Minimum Insertion Loss Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

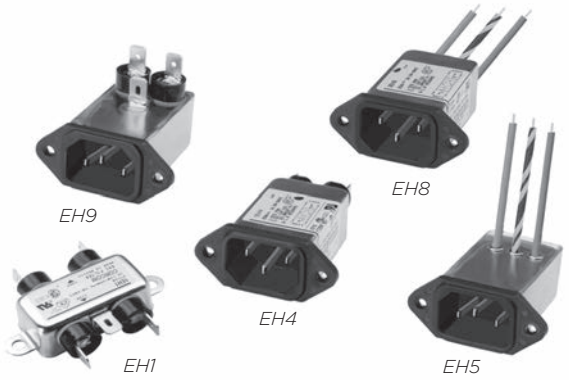
Current Rating	Frequency – MHz .01	.05	.10	.15	.5	1	5	10	30
GG & GS Models									
1A	12	23	29	32	41	47	50	50	55
3A	-	10	15	19	30	36	48	50	53
6A	-	1	4	10	16	22	36	40	50
10A	-	1	2	4	6	8	26	33	28
HG Models									
1A	12	23	29	32	40	40	28	22	18
3A	-	10	15	19	25	26	22	21	21
6A	-	4	10	14	18	18	14	14	14
10A	1	-	-	3	5	6	8	9	10

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz .10	.15	.5	1	3	5	10	30
GG & GS Models								
1A	1	3	14	23	41	47	50	44
3A	1	2	11	14	25	38	44	40
6A	1	2	10	13	23	33	39	42
10A	4	7	17	23	-	22	43	38
HG Models								
1A	2	6	19	26	30	35	35	20
3A	1	7	16	23	30	30	30	30
6A	4	7	16	23	30	30	30	30
10A	-	8	16	22	-	37	43	28

H Series

UL Recognized
CSA Certified
VDE Approved*



H Series

- Minimal leakage current suitable for medical equipment
- Two element circuit provides basic EMI attenuation above 1 MHz
- Available with an internal ground circuit inductor (C suffix versions) to isolate equipment chassis from power line ground at radio frequencies
- Flanged mounting the same as the EC, ED and EF Series
- Capacitive output (see EAH, EBH and EJH Series for capacitive input)

Ordering Information

3 E H 1 C

Ground Circuit Inductor
Omit if none

Output Styles
Chassis Mount Style
1 – .250 [*6.3*] spade terminals
3 – Wire leads
Power Inlet Style *
4 – .250 [*6.3*] spade terminals *(back)*
5 – Wire leads *(bottom)*
8 – Wire leads *(back)*
9 – .250 [*6.3*] spade terminals *(bottom)*

H Series

Leakage current designation
E – Low Leakage *(<0.5 mA)*

Current Rating
3, 6, 10 or 15A

**IEC 60320-1 C14 inlet mates with C13 connector*

Specifications

Maximum leakage current each Line to Ground:
@ 120 VAC 60 Hz: 2 µA
@250 VAC 50 Hz: 5 µA

Hipot rating (one minute):
Line to Ground: 2250 VDC
Line to Line: 1450 VDC

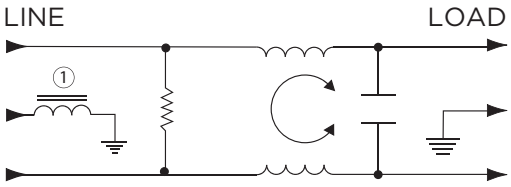
Rated Voltage (max.): 250 VAC

Operating Frequency: 50/60 Hz

Rated Current: 3 to 15A*

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematic



Available Part Numbers

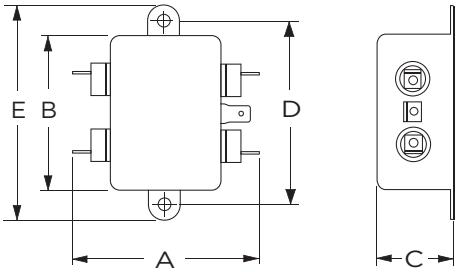
3EH1	6EH8
3EH3	6EH9
6EH1	10EH1
6EH3	10EH3
6EH4	10EH4
6EH5	15EH4
Ground Circuit Inductor Versions	
10EH4C	

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

H Series

Case Styles

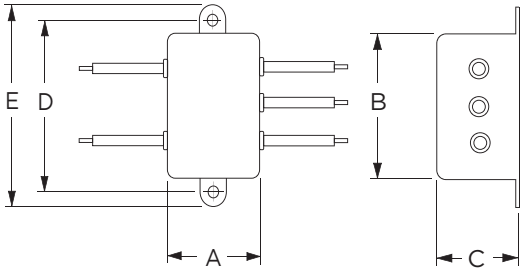
H1 *(Chassis Mount)*



Typical Dimensions:

Mounting Holes:	.188 [*4.78*] Dia.
Line / Load Terminals (4):	.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

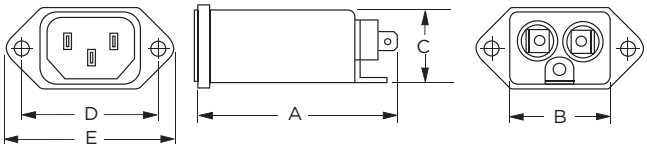
H3 *(Chassis Mount)*



Typical Dimensions:

Mounting Holes:	.188 [*4.78*] Dia.
Wire Leads(5):	4.0 [*101.6*] Min., 18AWG, UL1015

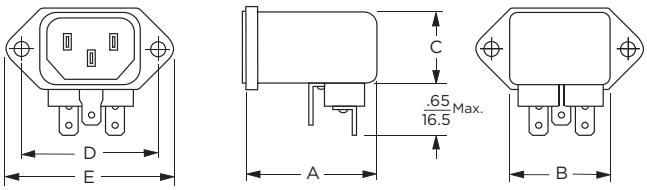
H4 & H4C



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

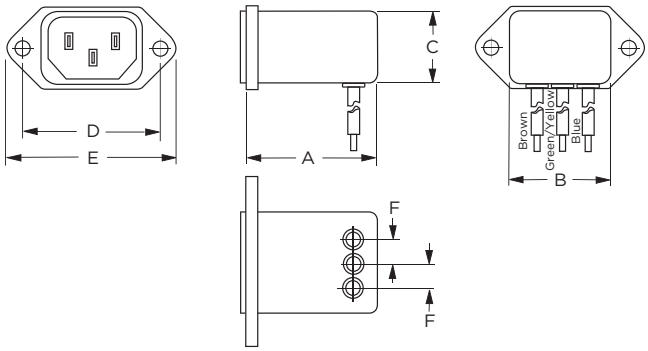
H9



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

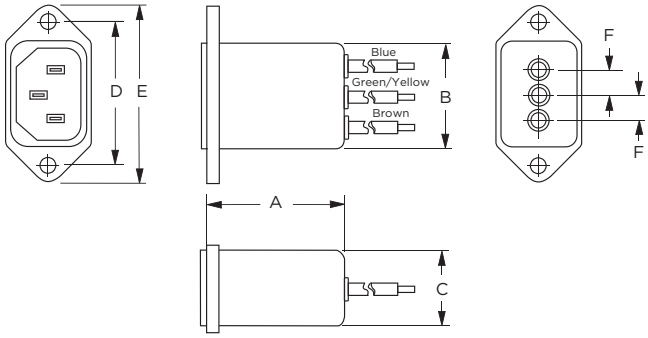
H5



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

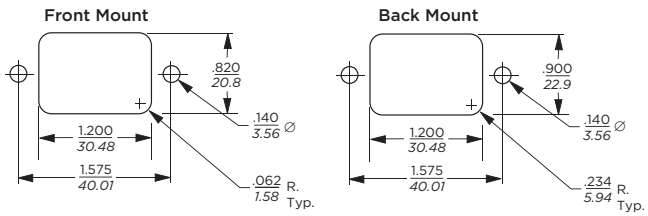
H8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

Recommended Panel Cutouts



Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: H4, H4C and H8 allow for front or back mounting
Note 2: H5 and H9 allow for back mounting only

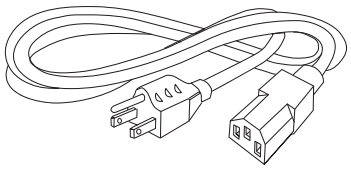
H Series

Case Dimensions

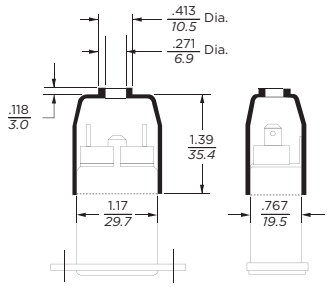
Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)	F (ref.)
H1	**2.25** *57.2*	**1.82** *46.1*	**0.66** *16.7*	**2.125** *53.98*	**2.53** *64.2*	-
H3	**.96** *24.40*	**1.82** *46.1*	**0.66** *16.7*	**2.125** *53.98*	**2.53** *64.2*	-
6EH4	**2.20** *55.9*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
10EH4, 10EH4C	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
15EH4	**2.62** *66.5*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	-
H5	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
H8	**1.56** *39.7*	**1.19** *30.2*	**0.81** *20.6*	**1.575** *40.01*	**1.98** *50.3*	**.295** *7.5*
H9	**1.55** *39.4*	**1.19** *30.2*	**0.85** *21.6*	**1.575** *40.01*	**1.98** *50.3*	-

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



FA601: Insulating Shroud

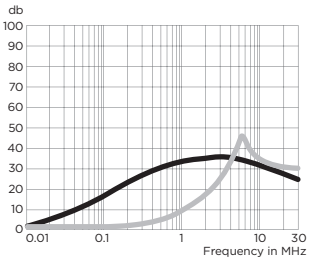


Performance Data

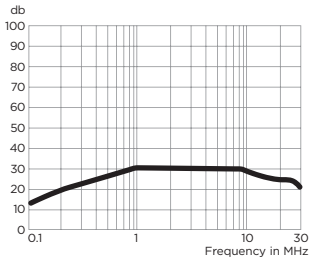
Typical Insertion Loss

Measured in closed 50 Ohm system

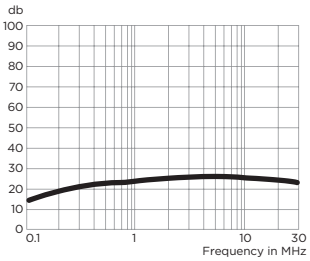
3EH



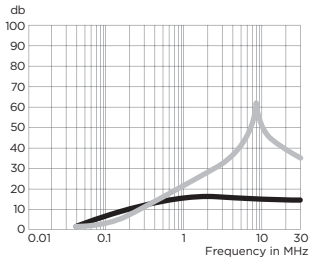
6EH



10EH



15EH



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 .15	.5	1	5	10	30
3A	18	27	30	30	27	18
6A	9	16	20	26	23	18
10A	7	13	15	17	16	14
15A	5	9	11	12	11	9

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.

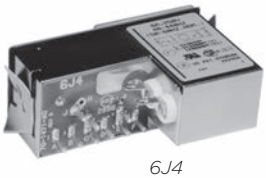
For email, phone or live chat, please go to **te.com/help** **corcom.com**

Power Entry Module with Voltage Selection and Fusing

J Series

UL Recognized
CSA Certified

Front View, all models



6J4

6HJ4

J Series

- Power entry module with North American style 3AG fuse holder
- 2 or 4 voltage selection
- Compact snap-in design
- Two element circuit provides basic EMI attenuation
- Available with minimal leakage current suitable for medical applications (HJ models)
- Also available without filter (VJ models)

Ordering Information

6 H J 4 -4

Available Voltage Selections
1 - Four *(non-filtered versions)*
2 – Two
4 or blank – Four *(filtered versions)*

Filtered Indicator
1 – Non-filtered
4 – Filtered

J Series

Filter Type
H – Medical
V – Non-filtered
Blank – general purpose

Current Rating
6A

Specifications

Maximum leakage current each Line to Ground:

	6J4 Models	6HJ4 or non-filtered
@250 VAC 50 Hz:	500 µA	5 µA

Hipot rating (one minute):

Line to Ground:	1550 VAC
Line to Line:	1450 VDC

Operating Voltage:

suffix - 1 or - 4 models:	100, 120, 220 or 240VAC
suffix - 2 models:	115 or 230 VAC

Operating Frequency: 50/60 Hz

Rated Current: 6A

Required Fuse: .25 x 1.25 *(not included)*

Available Part Numbers

Non-filtered models	
6VJ1	6VJ1-2
General Purpose Filters	
6J4	6J4-2
Medical Filters	
6HJ4-4	6HJ4-2

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.

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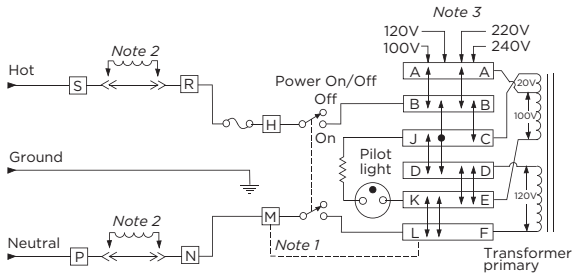
corcom.com

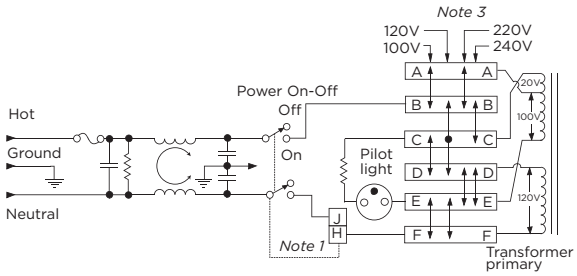
J Series

Electrical Schematics

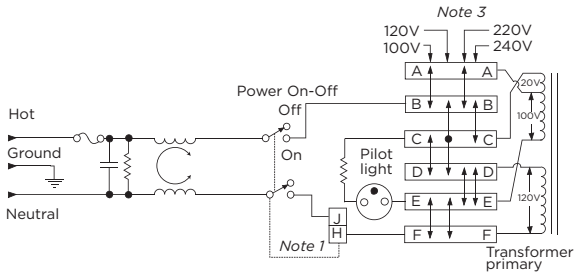
6VJ1 & 6VJ1-2



6J4 & 6J4-2

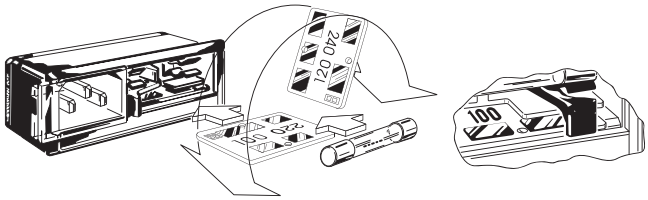


6HJ4-4 & 6J4-2



Note 1: Jumper required if only SPST power switch is used
Note 2: Jumpers required if no input filtering is used
Note 3: Use only 120V and 240V positions for 2 volt selection units

Voltage Selection

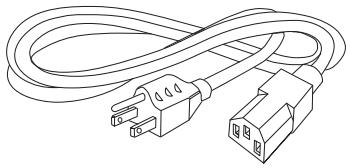


Open cover door and slide fuse-pull lever to left. Select operating voltage by orienting voltage selection card with the desired voltage on top left side. Push card firmly into module slot. Slide fuse-pull lever to right into normal position and re-insert fuse into holders.

Use caution in selecting correct fuse value.

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



JA302: 2 Voltage Select Card

Comes standard with 6VJ1-2, 6J4-2 and 6HJ4-2

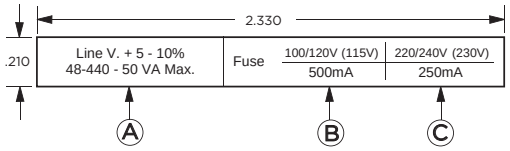
JA304: 4 Voltage Select Card

Comes standard with 6VJ1, 6J4 and 6HJ4-4

JA403: Mounting clips for .105 - .125" panels

JA410-419: Equipment Rating Labels

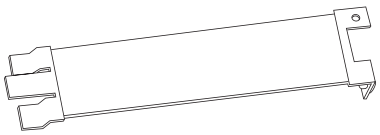
Self-adhesive, available in multiples of 40
Specify part number



Part No.	A VA max.	B Fuse 100/120 (115)	C Fuse 220/240 (230)
JA410	25	250 mA	125 mA
JA411	50	500 mA	250 mA
JA412	100	1A	500 mA
JA413	200	2A	1A
JA414	250	2.5A	1.25A
JA415	300	3A	1.5A
JA416	400	4 A	2A
JA417	500	5A	2.5A
JA418	600	6A	3A
JA419	Assortment		

JA410-JA418: 40 labels of one part number
JA419: 5 each of JA410 - JA418 (45 labels)

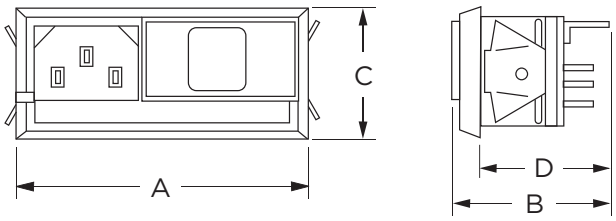
JA500: Voltage Selector Card Extractor Tool



J Series

Case Styles

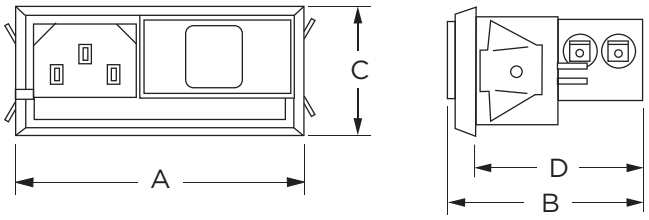
Non-filtered Models



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.110 [*2.79*]

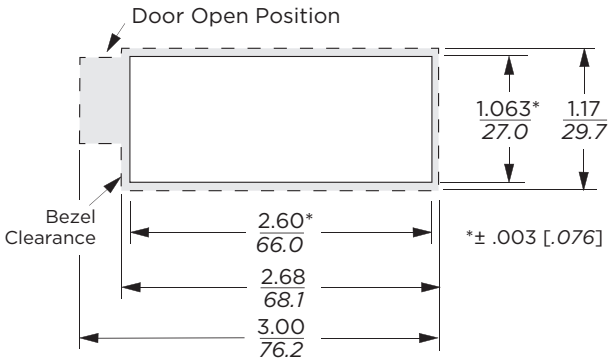
Filtered Models



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load Terminals (2):	.110 [*2.79*]

Recommended Panel Cutouts



Standard units mount in panel thickness of .060 - .090 [*1.52 -2.29*]
JA403 Mounting clips for .105 - .125" panels available separately
Fuse cover door shown in open position

Case Dimensions

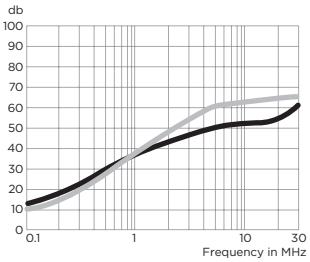
Part No.	A (max.)	B (max.)	C (max.)	D (max.)
6VJ1, 6VJ1-2	**2.68** *68.1*	**1.52** *38.6*	**1.17** *29.7*	**1.23** *31.2*
6J4, 6J4-2, 6HJ4-4, 6HJ4-2	**2.75** *69.9*	**1.87** *47.5*	**1.17** *29.7*	**1.58** *40.1*

Performance Data

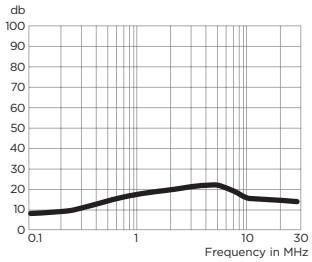
Typical Insertion Loss

Measured in closed 50 Ohm system

6J4



6HJ4



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)

	Frequency – MHz						
Model No.	**.15**	**.5**	**1**	**5**	**10**	**20**	**30**
6J4	9	20	25	41	45	45	48
6HJ4	9	11	15	19	13	12	10

L Series

UL Recognized
CSA Certified
VDE Approved

EDL1S / EHL1S

EDL4C / EHL4C

L Series

- Power entry module with switch or fuse
- For 10A capability and high performance filtering see the P Series on page 192
- Two element circuit provides extended EMI attenuation similar to EAB inlet filter
- North American or metric fuse holders
- Available with minimal leakage current for medical applications (HL models)

Ordering Information

6 E D L 1 S C M

Fuseholder Type *(pre-installed)*
M – Metric
Omit for North American

Mounting Type
C– Snap-In
Omit for flange mount

Switch Option
S – DPST on/off switch
Omit for none

Voltage Selection Positions
1 or 4

L Series

Filter Type
D – General Purpose
H – Medical
omit for none

Leakage current designation
E – Low Leakage *(<0.5 mA)*

Current Rating
2, 4 or 6A

Specifications

Maximum leakage current each Line to Ground:

	DL Models	HL Models
@ 120 VAC 60 Hz:	.25 mA	2 µA
@ 250 VAC 50 Hz:	.50 mA	5 µA

Hipot rating (one minute):

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

Operating Voltage:

1S & 1SC models (fixed):	250 VAC max.
4 & 4C Suffix:	100, 120, 220 or 240 VAC.

Operating Frequency: 50/60 Hz

Rated Current: 2 to 6A

Required Fuse(s):

North American:	one .25 x 1.25" *(not included)*
Metric:	two 5 x 20mm *(not included)*

Switch: DPST
10,000 operations at 51A max. inrush

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.

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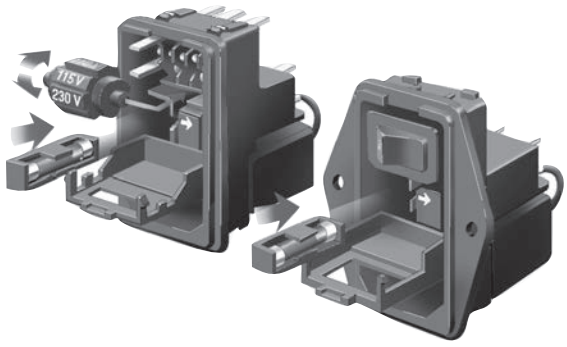
corcom.com

L Series

Available Part Numbers

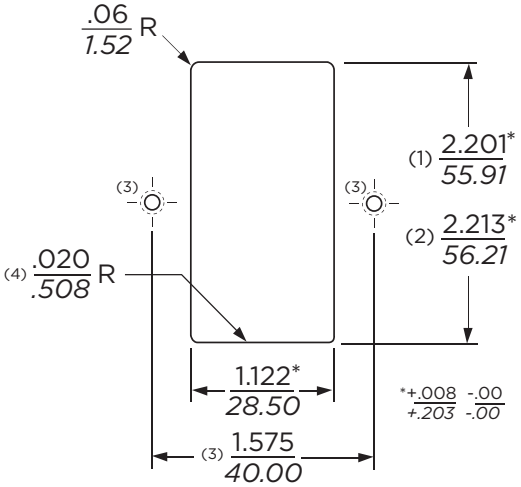
		North American Fusing		Metric Fusing	
		Flange Mount	Snap-In	Flange Mount	Snap-In
Non-Filtered	Single Voltage, Switched	6EL1S	6EL1SC	6EL1SM	6EL1SCM
	4 Voltage Select, No Switch	6EL4	6EL4C	6EL4M	6EL4CM
General Purpose Filter	Single Voltage, Switched	2EDL1S	2EDL1SC	2EDL1SM	2EDL1SCM
		4EDL1S	4EDL1SC	4EDL1SM	4EDL1SCM
		6EDL1S	6EDL1SC	6EDL1SM	6EDL1SCM
	4 Voltage Select, No Switch	2EDL4	2EDL4C	2EDL4M	2EDL4CM
		4EDL4	4EDL4C	4EDL4M	4EDL4CM
		6EDL4	6EDL4C	6EDL4M	6EDL4CM
Medical Filter	Single Voltage, Switched	6EHL1S	6EHL1SC	6EHL1SM	6EHL1SCM
	4 Voltage Select, No Switch	6EHL4	6EHL4C	6EHL4M	6EHL4CM

Voltage Selection



To change selected voltage: disconnect the power cord; open cover using a small blade screwdriver or similar tool; insert the tool into the voltage selection slot and remove wheel from unit; select desired voltage; replace wheel into unit and close cover, making sure the selected voltage appears in connector window.

Recommended Panel Cutouts



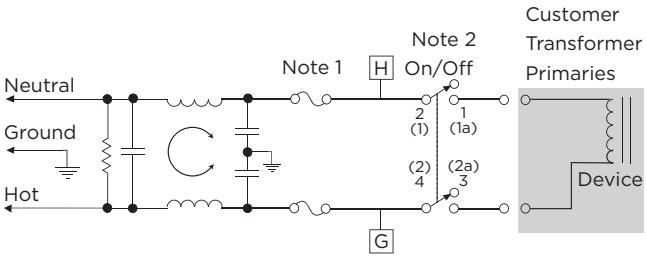
Notes:
(1) For panel thickness of .031 – .079 [*0.8 – 2.0*]
(2) For panel thickness of .083 – .126 [*2.1 – 3.2*]
(3) Mounting Holes .126 [*3.20*] Dia. for flange mounted versions only
(4) For Snap-In applications, the 1.12 [*28.5*] sides of the cutout must have a .02 [*.508*] radius on the installation side. Not required for flange mount versions.

L Series

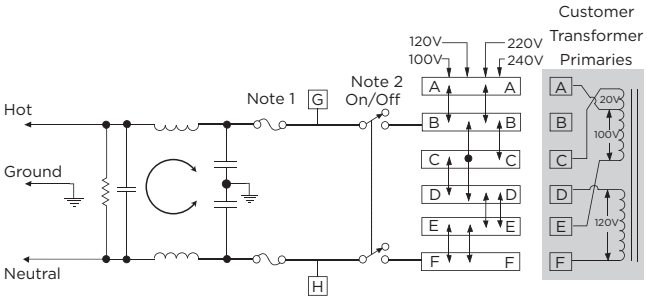
Electrical Schematics

DL Models

Single Voltage, Switched (DL1S)

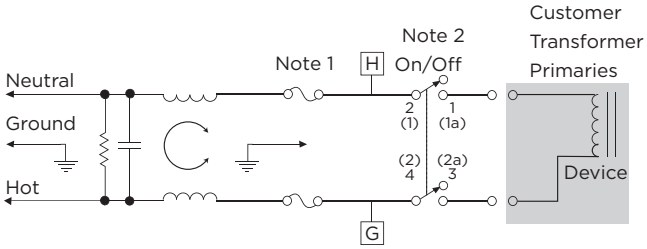


4 Voltage Select, No-Switch (DL4)

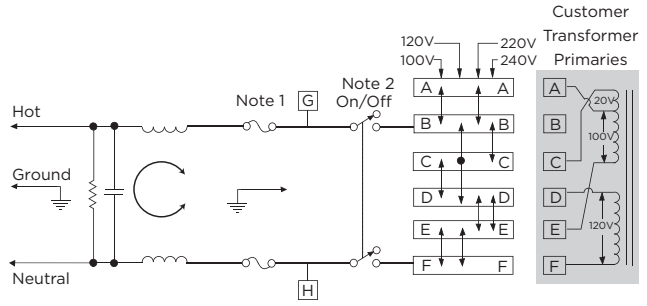


HL Models

Single Voltage, Switched (HL1S)



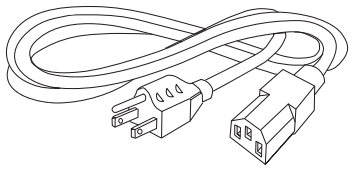
4 Voltage Select, No-Switch (HL4)



Note 1: Provision for dual Metric style fusing
Note 2: On/Off switch present only with "S" suffix models

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



LA303: Voltage Select Wheel, 3 position

Selection drum for use with L4 models.
Marked with 110V, 220V and 240V

LA304: Voltage Select Wheel, 4 position

Selection drum for use with L4 models.
Marked with 100V, 110V, 220V and 240V.
One LA304 comes standard with each L4 model.

LA400: Blank insert

Blank to replace switch in single voltage models

LA601: Insulating Boot

Plastic shroud to cover back of module to prevent inadvertent access

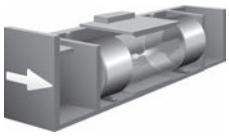
Replacement Fuse Holders

LA200: North American Fuseholder

Accommodates one .25 x 1.25" fuse

LA201: Metric Fuseholder

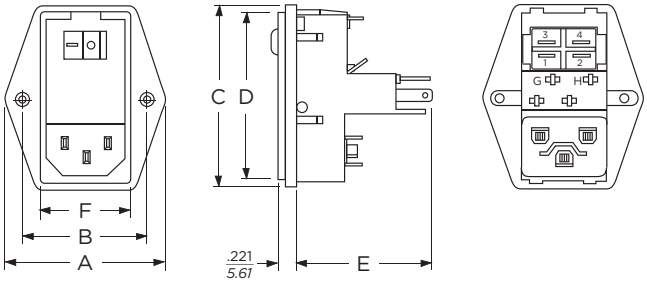
Accommodates one 5 x 20mm metric fuse



L Series

Case Styles

Flange Models, Non-filtered

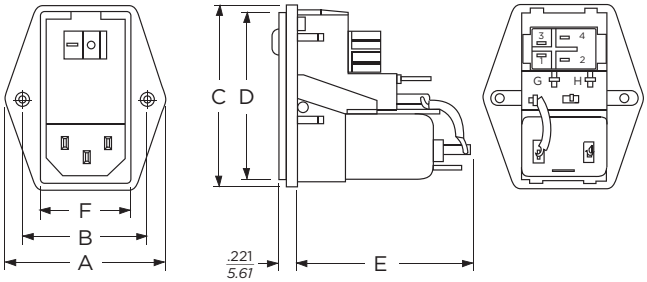


Switched model shown, for non-switched detail refer to snap-in models

Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Switch Terminals:	.187 [*4.765*] with .07 x .16 [*1.8 x 3.8*] slot

Flange Models, Filtered

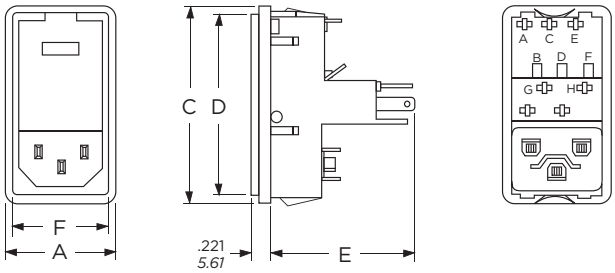


Switched model shown, for non-switched detail refer to snap-in models
Metric fuse models have an additional jumper from filter to module

Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Switch Terminals:	.187 [*4.765*] with .07 x .16 [*1.8 x 3.8*] slot

Snap-in Models, Non-filtered

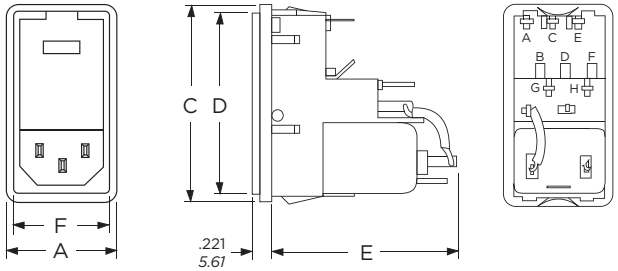


Non-switched model shown, for switched detail refer to flange models

Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Switch Terminals:	.187 [*4.765*] with .07 x .16 [*1.8 x 3.8*] slot

Snap-in Models, Filtered



Non-switched model shown, for switched detail refer to flange models
Metric fuse models have an additional jumper from filter to module

Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Switch Terminals:	.187 [*4.765*] with .07 x .16 [*1.8 x 3.8*] slot

Case Dimensions

Model No.	A (max.)	B ± .015 / ± .38	C (max.)	D (max.)	E (max.)	F (ref.)
Flange Unfiltered	**1.98** *50.29*	**1.575** *40.0*	**2.3** *58.42*	**2.14** *54.36*	**1.66** *42.16*	**1.11** *28.19*
Snap-in Unfiltered	**1.28** *32.51*	-	**2.3** *58.42*	**2.14** *54.36*	**1.66** *42.16*	**1.11** *28.19*
Flange Filtered	**1.98** *50.29*	**1.575** *40.0*	**2.3** *58.42*	**2.14** *54.36*	**2.01** *51.05*	**1.11** *28.19*
Snap-in Filtered	**1.28** *32.51*	-	**2.3** *58.42*	**2.14** *54.36*	**2.01** *51.05*	**1.11** *28.19*

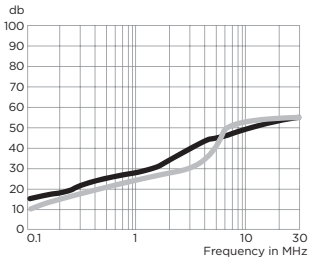
L Series

Performance Data

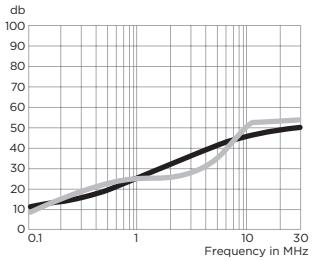
Typical Insertion Loss

Measured in closed 50 Ohm system

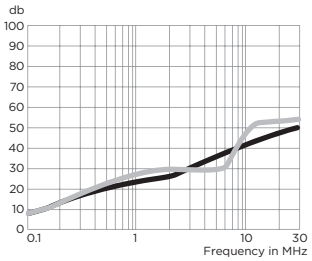
2EDL



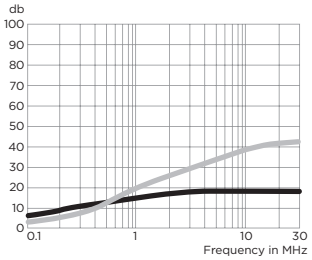
4EDL



6EDL



6EHL



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	1	5	10	30
EDL Models						
1A	6	14	24	40	45	50
3A	2	8	18	32	38	45
6A	1	6	17	31	37	45
EHL Models						
6A	3	8	15	18	18	18

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz						
	.05	.15.5	1	3	5	10	30
EDL Models							
1A	7	16	21	23	37	47	50
3A	6	14	18	23	26	45	47
6A	6	15	20	25	24	45	50
EHL Models							
6A	4	14	20	28	32		

LA Series

UL Recognized
CSA Certified

LA Series

- Power entry module with extended and enhanced low frequency filters
- North American or dual metric fuse holder options
- DPST on/off switch
- 120/240V voltage selection
- The F version provides basic performance two element circuit filter
- The X version provides a three element differential mode circuit with extended EMI attenuation, suitable for meeting FCC Part 15J, Class B conducted emissions limits
- The Z version provides a three element differential mode circuit with enhanced EMI low frequency attenuation, suitable for meeting EN55022 Level B as well as FCC Part 15J limits

Ordering Information

5 E F LA 2S

Case Style
2S - IEC inlet*, selectable fuse holder, DPST switch, spade terminals

LA Series

Filter Type
F – General purpose
X – High performance
Z – Premium performance

Leakage current designation
E – Low Leakage *(<0.5 mA)*

Current Rating
3A or 5A

**IEC 60320-1 C14 inlet mates with C13 connector*

Specifications

Maximum leakage current each Line to Ground:

	FLA Model	XLA or ZLA Model
@120 VAC 60 Hz:	.25 mA	.30 mA
@250 VAC 50 Hz:	.50 mA	.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: 3 to 5A

Required Fuse(s): one .25 x 1.25" *(not included)* or two 5 x 20mm *(not included)*

Switch: DPST
10,000 operations at 51A max. inrush

Available Part Numbers

5EFLA2S
3EXLA2S
3EZLA2S

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.

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LA Series

Voltage Selection

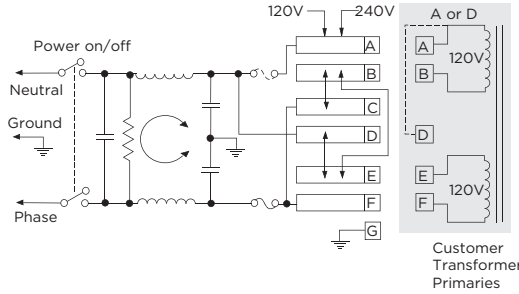
To change selected voltage: remove the fuse cartridge using a small blade screwdriver or similar tool; select the desired voltage by matching the arrow on the fuse cartridge to the arrow located on the front of the unit (lower right corner); replace the fuse cartridge making sure the voltage selection arrow aligns with the arrow located on the front of the unit.

Changing Fuses

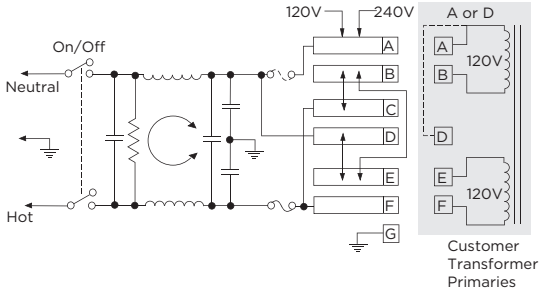
Remove the fuse cartridge using a small blade screwdriver or similar tool; for Metric fusing pull out the sliding fuse covers located at the top of each fuse compartment; insert desired fuses; push the sliding fuse covers back in place and insert the fuse cartridge back into the unit making sure the voltage selection arrow aligns with the arrow located on the front of the unit. (Note: Single North American or Metric fuse placement is always on the side of the desired voltage selection arrow behind the fuse symbol; the other compartment may be used as a spare or be left blank. Dual Metric fusing capability is available for 220/240 volts only.)

Electrical Schematics

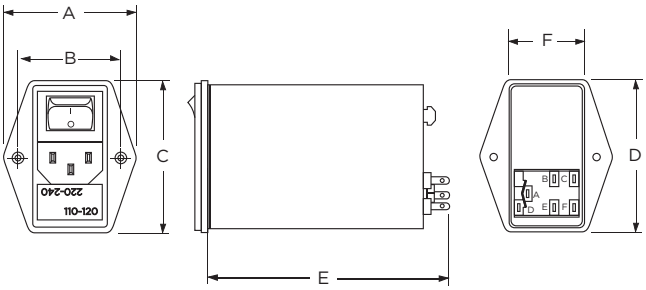
FLA Model



XLA & ZLA Model



Case Styles



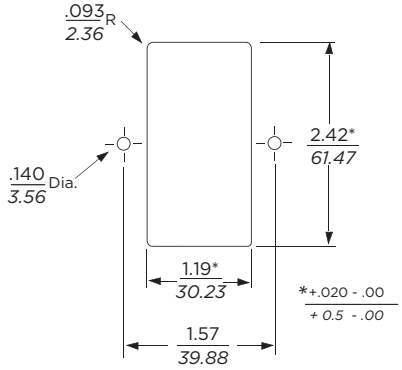
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Mounting Holes (2):	.142 [*3.6*] Dia.
Backplate Terminals(5):	.110 [*2.79*] with .059 [*1.5*] holes
Ground:	.solder lug tab with wire wrap

Case Dimensions

Part No.	A (max.)	B ± .015 / ± .38	C (max.)	D (max.)	E (max.)	F (ref.)
5EFLA2S	**1.99** *50.5*	**1.57** *39.9*	**2.59** *65.79*	**2.41** *61.21*	**3.16** *68.07*	**1.18** *29.97*
3EXLA2S	**1.99** *50.5*	**1.57** *39.9*	**2.59** *65.79*	**2.41** *61.21*	**4.16** *105.7*	**1.18** *29.97*
3EZLA2S	**1.99** *50.5*	**1.57** *39.9*	**2.59** *65.79*	**2.41** *61.21*	**4.16** *105.7*	**1.18** *29.97*

Recommended Panel Cutout



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.

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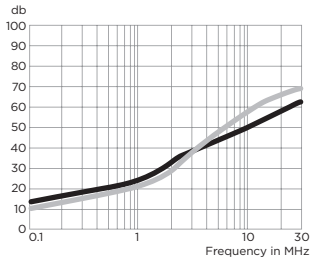
LA Series

Performance Data

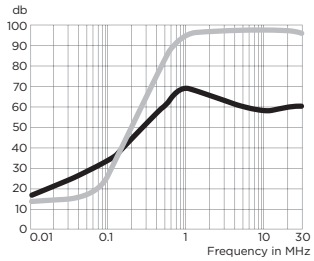
Typical Insertion Loss

Measured in closed 50 Ohm system

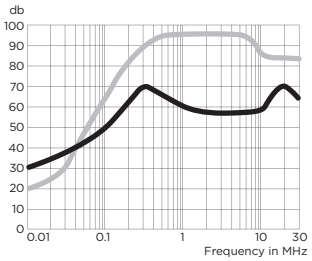
5EFLA2S



3EXLA2S



3EZLA2S



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)

	Frequency – MHz							
Part No.	.01	.05	.15	.5	1	5	10	30
5EFLA2S	-	-	14	21	26	40	46	50
3EXLA2S	2	12	21	35	46	44	44	40
3EZLA2S	14	28	38	42	40	40	40	40

Differential Mode / Symmetrical (Line to Line)

	Frequency – MHz									
Part No.	.02	.03	.05	.07	.15	.5	1	5	10	30
5EFLA2S	-	-	-	-	-	-	-	-	-	-
3EXLA2S	-	-	-	5	33	60	65	60	50	50
3EZLA2S	3	14	29	38	57	72	72	65	55	50

M Series

UL Recognized
CSA Certified
VDE Approved

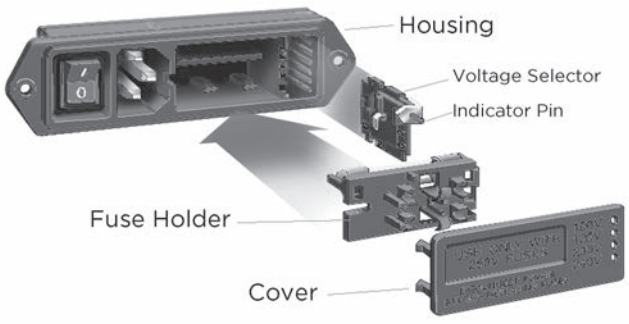
XM / ZM

VM

Ordering Information

5 E F M 4 S C

- **Mounting Type**
  - C– Snap-In
  - Omit for flange mount
- **Switch Option**
  - S – DPST on/off switch
  - Omit for none
- **Voltage Selection Positions**
  - 1 or 4
- **M Series**
- **Filter Type**
  - F – General purpose
  - H – Medical
  - X – High performance
  - Z – Premium performance
  - V – Non-filtered
- **Leakage current designation**
  - E – Low leakage *(<0.5 mA)*
  - *(Filtered models only)*
- **Current Rating @120 VAC**
  - 3, 5 or 6A



M Series

- Family of slim power entry modules that consume minimal depth behind panel
- Four compact modules each provide a different option combination
- Available non-filtered or with one of four filter circuits designed to meet a wide variety of applications
- Optional voltage selector configured for either 2 or 4 voltage selection
- Optional DPST on/off switch
- Included fuseholder accepts either single 3AG fuse or dual metric fuses
- Snap-in or flange mounting styles

Filter Types

H Models provide a basic performance dual element circuit EMI filter with minimal leakage current, suitable for medical applications, with attenuation similar to the EAH Series power inlet filter.

F Models provide a basic performance dual element circuit EMI filter, with attenuation similar to the EEA Series Power Inlet Filter.

X Models provide a high performance three element differential circuit filter, with extended EMI attenuation similar to the X Series chassis filter, suitable for bringing most digital equipment (including switching power supplies) into compliance with FCC Part 15J, Class B conducted emissions limits.

Z Models provide a premium performance three element differential circuit filter, with enhanced EMI low frequency attenuation similar to the P Series Z models, suitable for bringing most digital equipment (including switching power supplies) into compliance with EN55022 Level B as well as FCC Part 15J. For minimum panel footprint, see the P series on page 192.

M Series

Specifications

Maximum leakage current each Line to Ground:

	HM	FM	XM/ZM
@ 120 VAC 60 Hz:	2 µA	.25 mA	.30 mA
@250 VAC 50 Hz:	5 µA	.50 mA	.50 mA

Hipot rating (one minute):

Line to Ground:	2250 VDC
Line to Line:	1450 VDC
Line to Load (switch off) non-filtered:	2500 VAC

Rated Voltage (max.): 250VAC

Operating Frequency: 50/60 Hz

Rated Current @ 120 VAC: 3 to 6A

Rated Current @ 250 VAC:

3A models:	2A
5A models:	4A
6A Switched models:	5A
6A non-switched models:	6A

Required Fuse(s): Reversible fuseholder accepts one .25 x 1.25" (not included) or two 5 x 20mm (not included)

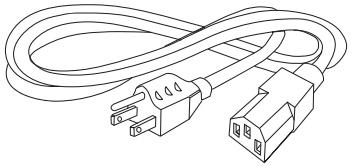
Switch: DPST
100,000 operations at 70A max. inrush

Available Part Numbers

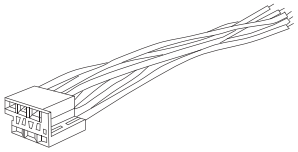
Voltage Selections	Flange Mount		Snap-In	
Non-Filtered Models				
1	6VM1	6VM1S	6VM1C	6VM1SC
2	6VM2	6VM2S		
4	6VM4	6VM4S	6VM4C	6VM4SC
General Purpose Filters				
1	5EFM1	5EFM1S	5EFM1C	5EFM1SC
4	5EFM4	5EFM4S	5EFM4C	5EFM4SC
Medical Filters				
1	5EHM1	5EHM1S		
4	5EHM4	5EHM4S		
High Performance - FCC-B				
1		3EXM1S		
4	3EXM4	3EXM4S		
Premium Performance - EN55022-B				
1		3EZM1S		
4	3EZM4	3EZM4S		

Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



MA100: Power interconnect assembly
For voltage select models. 8.5" wire leads



MA101: Plug only

MA102: Strip of 100 pins for use with MA101

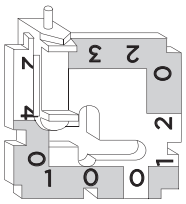
MA104: Individual pins for use with MA101

MA302: Two Voltage Selection Card

Marked 120V/240V. One card comes standard with every 2 voltage M series module

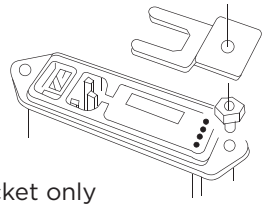
MA304: Four Voltage Selection Card

Marked 100V/120V/230V/240V. One card comes standard with every 4 voltage M series module



MA400: Medical safety bracket assembly

Prevents inadvertent removal of fuse(s)



MA401: Bracket only

MA402: Standoff only

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.

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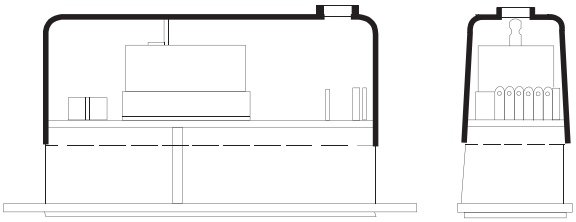
M Series

Accessories *(continued)*

MA601 - 604: Insulating Boot

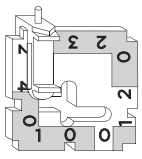
Plastic shroud for back of M series to prevent inadvertent access to connections



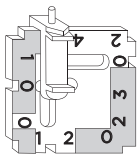
MA601: Fits M4S versions
MA602: Fits M1S versions
MA603: Fits M4 versions
MA604: First M1 versions

Voltage Selection

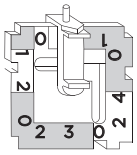
1. Open cover, using small blade screwdriver or similar tool *(see illustration on right)*
2. Set aside cover/fuse block assembly
3. Pull voltage selector card straight out of housing, using indicator pin
4. Orient selector card so that desired voltage is readable at the bottom
5. Orient indicator pin to point up when desired voltage is readable at bottom *(note that when indicator pin is fixed, successive voltages are selected by rotating the card 90° clockwise)*
6. Insert voltage selector card into housing, printed side of card facing forward toward IEC connector and edge containing the desired voltage first
7. Replace cover, and verify that indicator pin shows the desired voltage



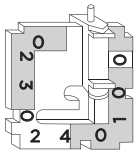
100V



120V



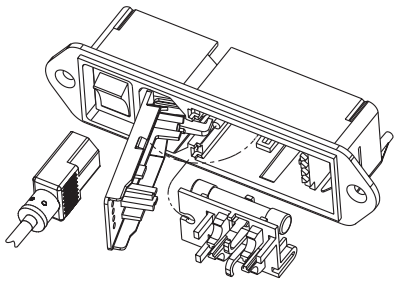
230V



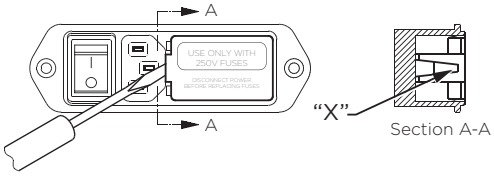
240V

Fuse Installation Instructions

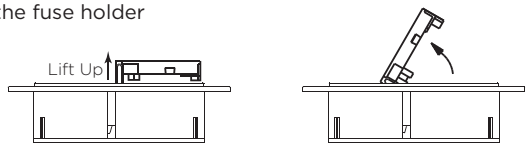
1. Remove power cord



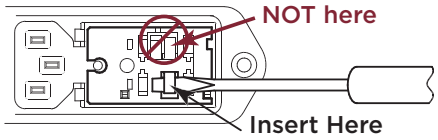
2. Insert a pocket screwdriver at point "X" as shown



3. Gently lift the entire door UP approximately 1/4" *(minimum)* Once lifted, the door will pivot on it's hinges to expose the fuse holder



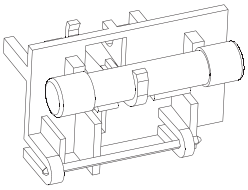
4. When the fuse holder is installed in the single fuse position, apply the screwdriver as shown and gently lift up Use screwdriver as shown, do not use fingers



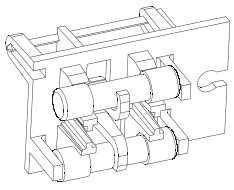
When the fuse holder is installed in the dual fuse position, it will normally release as soon as the door is opened

5. Install one (1) AG fuse or two (2) metric fuses (see below)
6. Replace fuse holder into housing
7. Swing and push to snap door back in place

Fuse Options



North American
single fuse installation



Metric
dual fuse installation

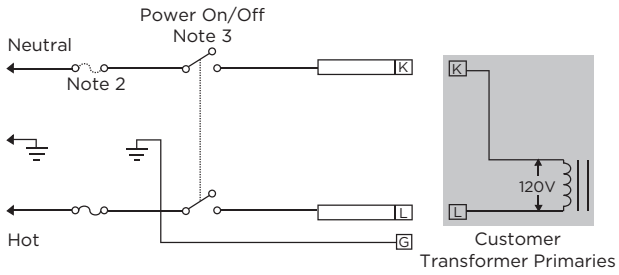
Install fuses on one side only, do not install both AG and metric fuses at the same time

M Series

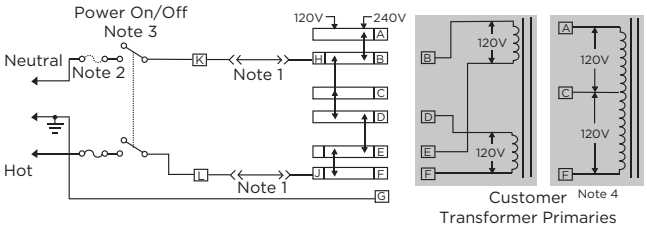
Electrical Schematics

Non-Filtered Models

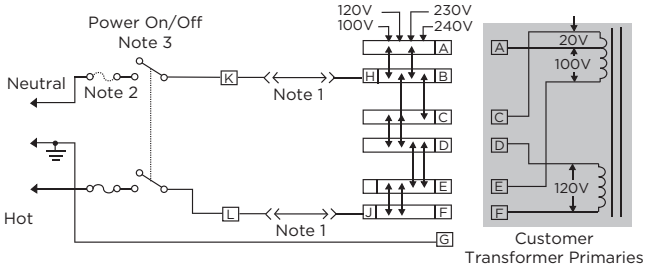
VM1



VM2



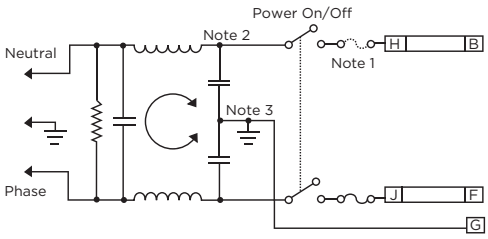
VM4



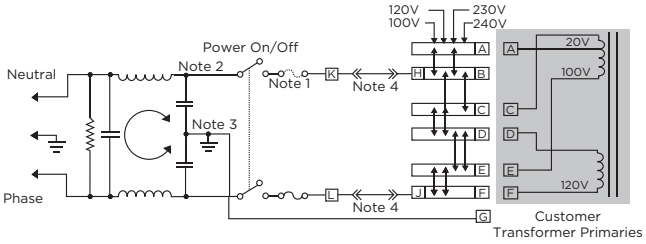
Note 1: Jumper required if no input filter is used
Note 2: Provision for dual Metric style fusing
Note 3: On/off switch present only in "S" suffix models
Note 4: When using a center-tapped transformer, the C-F winding should be the low voltage (high current) winding and must be capable of handling the full primary current in the 120V position

Filtered Models

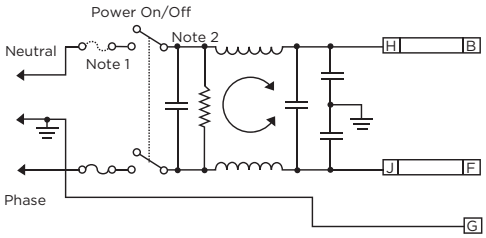
FM1 & HM1



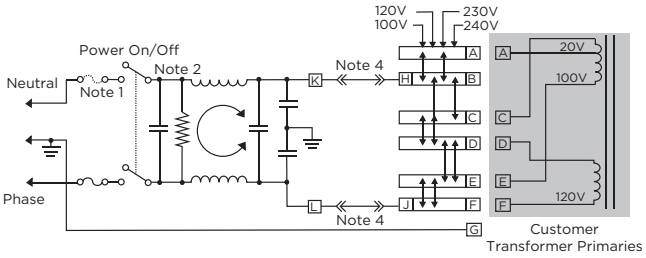
FM4 & HM4



XM1 & ZM1



XM4 & ZM4

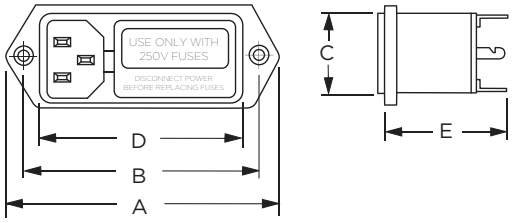


Note 1: Provision for dual Metric style fusing
Note 2: On/off switch present only in "S" suffix models
Note 3: Line to ground capacitor not present on HM models
Note 4: Models HM4, FM4, XM4 and ZM4 have added terminals K and L. External switch or jumper must be placed from K to H and L to J

M Series

Case Styles - Non-filtered Models

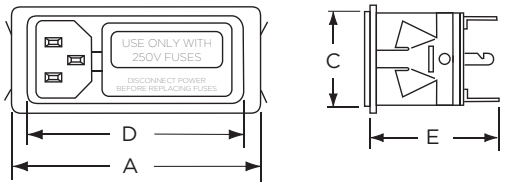
6VM1



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

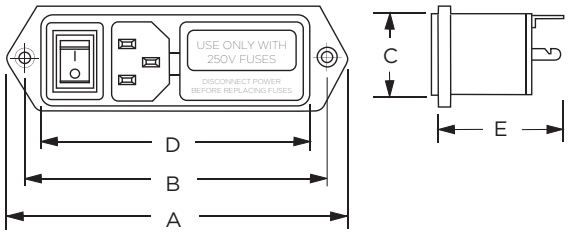
6VM1C



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

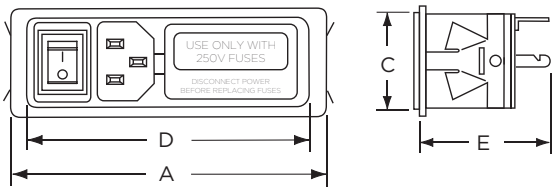
6VM1S



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

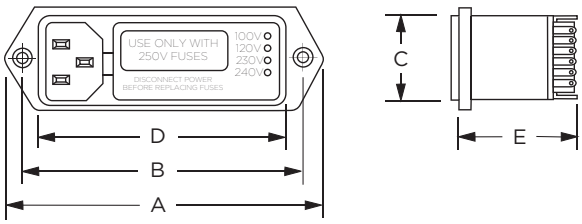
6VM1SC



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

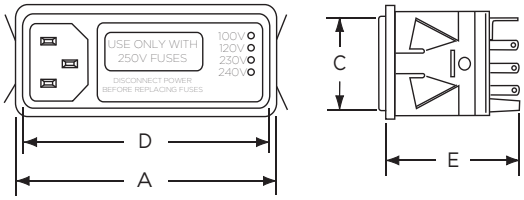
6VM2 & 6VM4



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

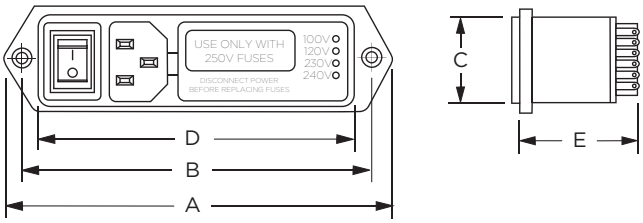
6VM4C



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

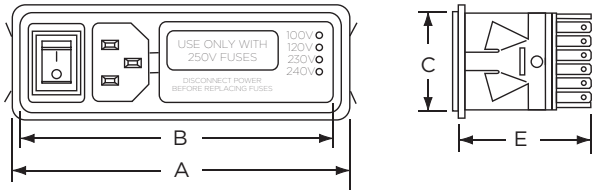
6VM2S & 6VM4S



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

6VM4SC



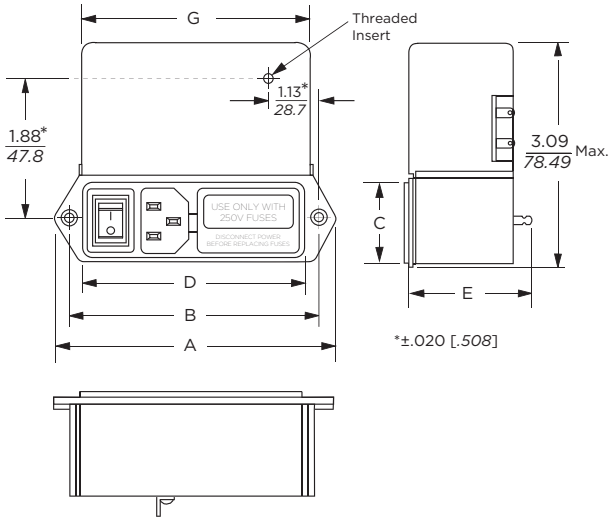
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

M Series

Case Styles - Filtered Models

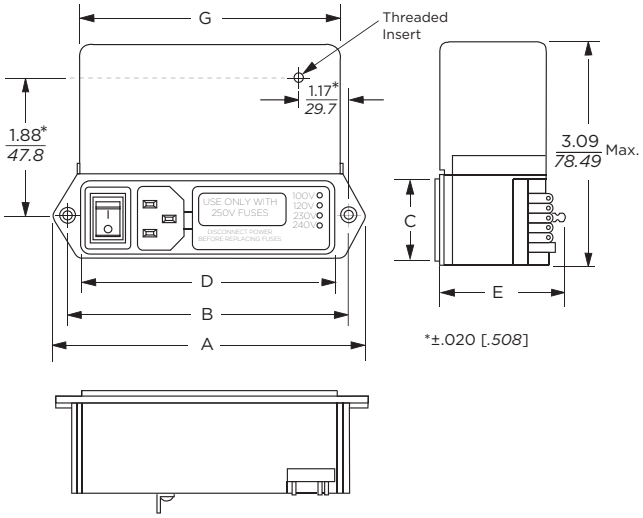
3EXM1S & 3EZM1S



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [2.79]
Threaded insert:	6-32 x .25
Mounting holes (2):	.155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

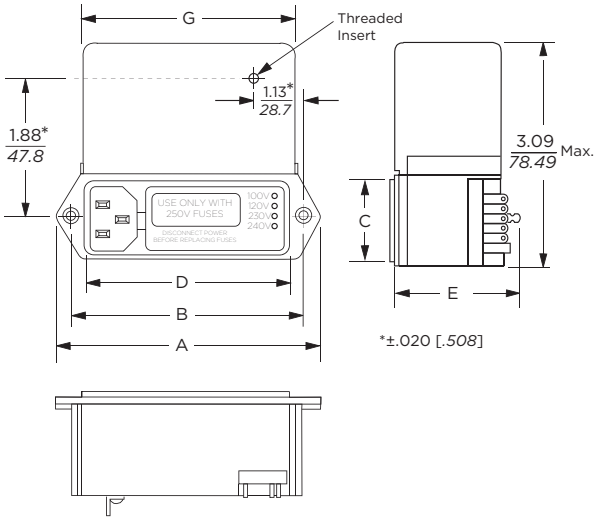
3EXM4S & 3EZM4S



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [2.79]
Threaded insert:	6-32 x .25
Mounting holes (2):	.155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

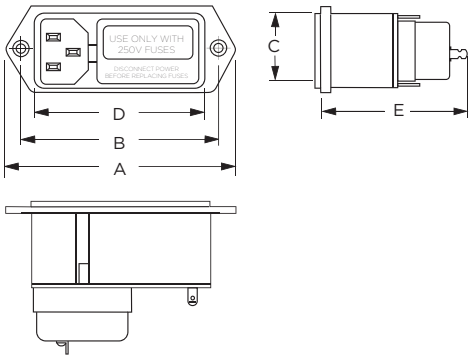
3EXM4 & 3EZM4



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [2.79]
Threaded insert:	6-32 x .25
Mounting holes (2):	.155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

5EHM1 & 5EFM1



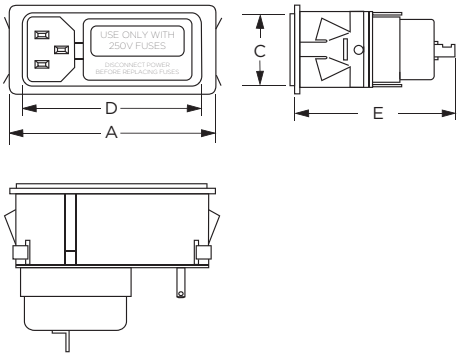
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [2.79]
Mounting holes (2):	.155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

M Series

Case Styles - Filtered Models *(continued)*

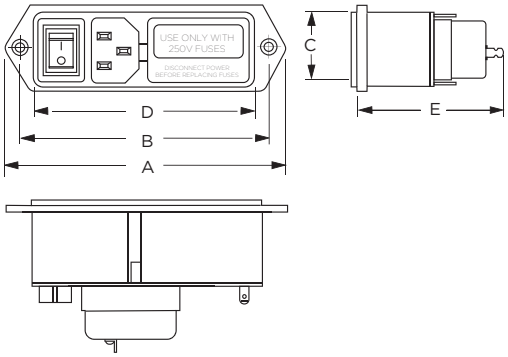
5EFM1C



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

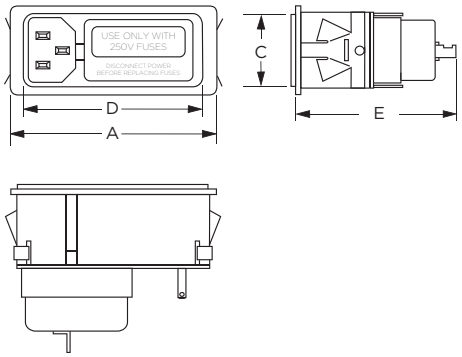
5EHM1S & 5EFM1S



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

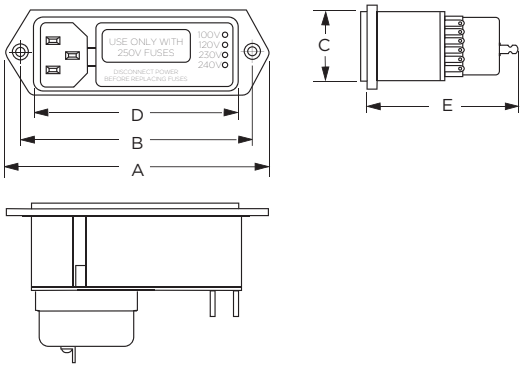
5EFM1SC



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

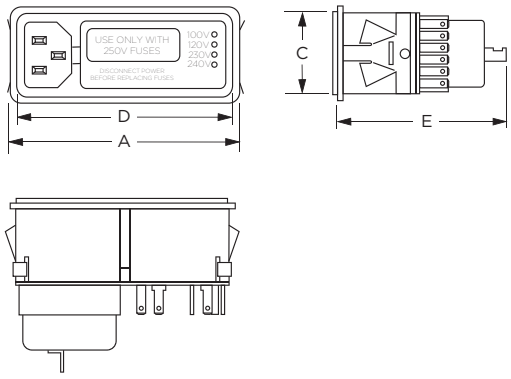
5EHM4 & 5EFM4



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

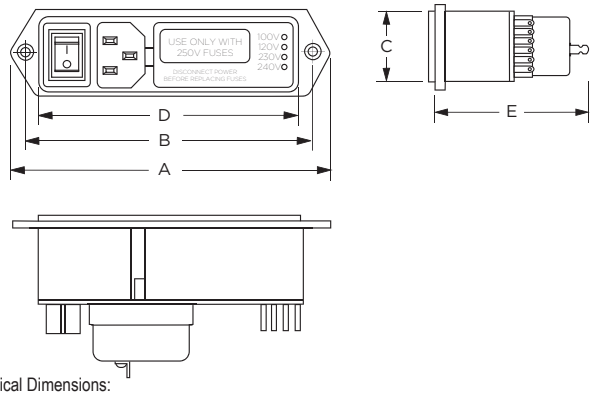
5EFM4C



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

5EHM4S & 5EFM4S



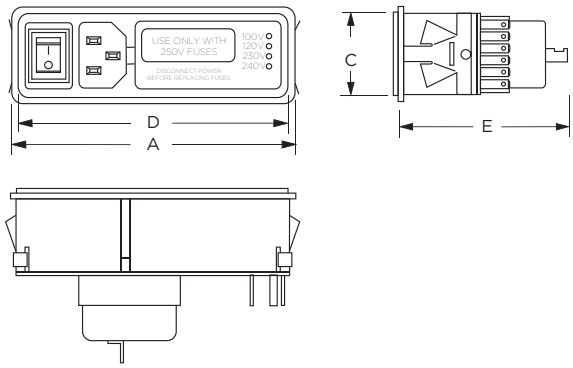
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]
Mounting holes (2):	.155 [*3.94*] Dia. with .279 [*7.08*] Dia. x 82° countersink for #6 flathead screw

M Series

Case Styles - Filtered Models *(continued)*

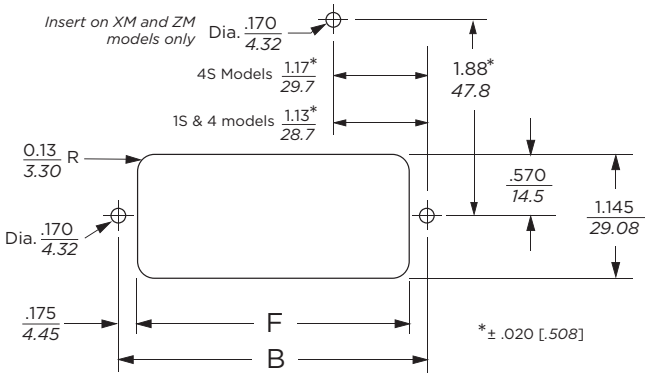
5EFM4SC



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Backplate Terminals:	.110 [*2.79*]

Recommended Panel Cutouts



Note:
- XM and ZM models allow back mount only
- FM and HM models allow front or back mounting
- Mounting holes on flange mount models only
- Snap-In models allow front mounting only
- Snap-In models panel thickness: .06 - .09 [*1.53 - 2.29*]

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 ± .38	E (max.)	F (ref.)	G (ref.)
6VM1	**3.39** *86.1*	**2.84** *72.1*	**1.14** *29.0*	**2.44** *62.0*	**1.45** *36.8*	**2.5** *63.5*	-
6VM1C	**2.56** *86.1*	-	**1.14** *29.0*	**2.44** *62.0*	**1.45** *36.8*	**2.5** *63.2*	-
6VM1S	**4.17** *105.9*	**3.62** *91.9*	**1.14** *29.0*	**3.22** *81.8*	**1.45** *36.8*	**3.28** *83.3*	-
6VM1SC	**3.34** *84.8*	-	**1.14** *29.0*	**3.27** *83.1*	**1.45** *36.8*	**3.27** *83.1*	-
6VM2 6VM4	**3.88** *98.6*	**3.32** *84.3*	**1.14** *29.0*	**2.92** *74.2*	**1.45** *36.8*	**2.98** *75.7*	-
6VM4C	**3.04** *98.6*	-	**1.14** *29.0*	**2.92** *74.2*	**1.45** *36.8*	**2.97** *75.4*	-
6VM2S 6VM4S	**4.65** *118.1*	**4.1** *104.1*	**1.14** *29.0*	**3.72** *94.5*	**1.45** *36.8*	**3.76** *95.5*	-
6VM4SC	**3.82** *97.0*	-	**1.14** *29.0*	**3.7** *94.0*	**1.45** *36.8*	**3.75** *95.3*	-
3EXM1S 3EZM1S	**4.17** *105.9*	**3.62** *91.9*	**1.14** *29.0*	**3.22** *81.8*	**1.72** *43.7*	**3.28** *83.8*	**3.3** *83.8*
3EXM4 3EZM4	**3.88** *98.6*	**3.32** *84.3*	**1.14** *29.0*	**2.92** *74.2*	**1.72** *43.7*	**2.98** *75.7*	**2.99** *75.9*
3EXM4S 3EZM4S	**4.65** *118.1*	**4.1** *104.1*	**1.14** *29.0*	**3.72** *94.5*	**1.72** *43.7*	**3.76** *95.5*	**3.8** *96.5*
5EHM1 5EFM1	**3.39** *86.1*	**2.84** *72.1*	**1.14** *29.0*	**2.44** *62.0*	**2.19** *55.6*	**2.5** *63.5*	-
5EFM1C	**2.56** *65.0*	-	**1.14** *29.0*	**2.44** *62.0*	**2.19** *55.6*	**2.49** *63.2*	-
5EHM1S 5EFM1S	**4.17** *105.9*	**3.62** *91.9*	**1.14** *29.0*	**3.22** *81.8*	**2.19** *55.6*	**3.28** *83.3*	-
5EFM1SC	**3.34** *84.8*	-	**1.14** *29.0*	**3.27** *83.1*	**2.19** *55.6*	**3.27** *83.1*	-
5EHM4 5EFM4	**3.88** *98.6*	**3.32** *84.3*	**1.14** *29.0*	**2.92** *74.2*	**2.19** *55.6*	**2.98** *75.7*	-
5EFM4C	**3.04** *77.2*	-	**1.14** *29.0*	**2.92** *74.2*	**2.19** *55.6*	**2.97** *74.4*	-
5EHM4S 5EFM4S	**4.65** *118.1*	**4.1** *104.1*	**1.14** *29.0*	**3.7** *94.0*	**2.19** *55.6*	**3.76** *95.5*	-
5EFM4SC	**3.82** *97.0*	-	**1.14** *29.0*	**3.7** *94.0*	**2.19** *55.6*	**3.75** *95.3*	-

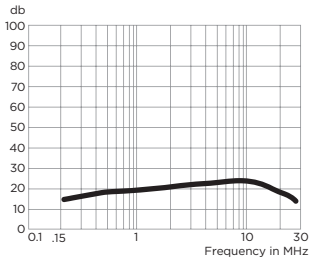
M Series

Performance Data

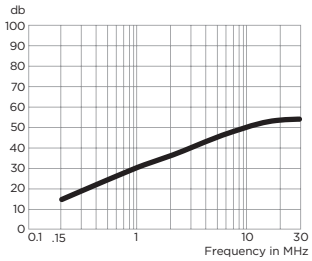
Typical Insertion Loss

Measured in closed 50 Ohm system

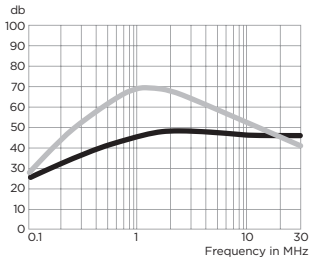
5EHM



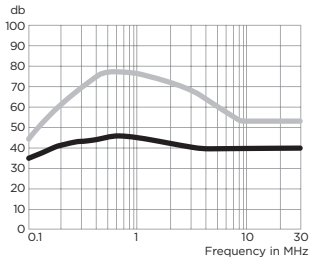
5EFM



3EXM



3EZM



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)

	Frequency – MHz							
Part No.	**.01**	**.05**	**.15**	**.5**	**1**	**5**	**10**	**30**
5EHM Models	-	-	14	18	19	22	22	17
5EFM Models	-	-	14	21	26	40	45	40
3EXM Models	2	13	23	40	46	44	44	44
3EZM Models	15	29	39	46	43	40	40	40

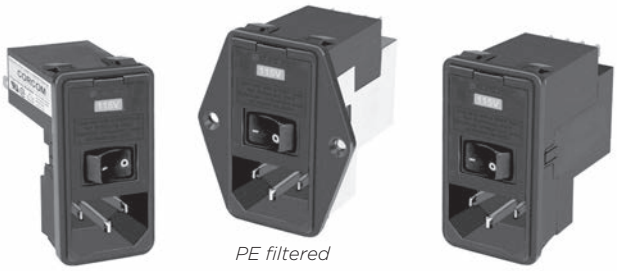
Differential Mode / Symmetrical (Line to Line)

	Frequency – MHz									
Part No.	**.02**	**.03**	**.05**	**.07**	**.15**	**.5**	**1**	**5**	**10**	**30**
3EXM Models	-	-	-	5	34	62	68	60	50	40
3EZM Models	5	13	28	37	55	75	75	62	54	44

Versatile Power Entry Module with Small Footprint

P Series

UL Recognized
CSA Certified
VDE Approved



PS non-filtered *PE filtered* *PS filtered*

P Series

The P series CHAMELEON power entry module offers the most popular features in a small footprint design

As the first 10A module to provide all five power entry functions in one compact design, the chameleon module readily adapts to its environment and the needs of international markets.

- Snap-in or flange mounting
- Standard IEC 60321-1 C14 power inlet
- Both North American and metric fusing capabilities
- Two voltage selection options (for 4-voltage selection, see the M, L or LA Series)
- Optional DPST on/off switch
- Filter options for general purpose, medical and high-performance EMI filtering

The CHAMELEON module's compact design and modular construction allows selection of the required power entry feature — without altering the panel cutout. And the CHAMELEON module, with its optional adapters, will fit several common panel cutouts.

Filter Types

The CHAMELEON module has four filter and one non-filtered option:

S models provide an extended performance two element circuit EMI filter, with attenuation similar to the EEB Series power inlet filter. It offers protection for general purpose applications with stray Line to Ground and Line to Line noise that must be attenuated at the power inlet. These filters have limited leakage current and are available in current ratings of 3, 6 and 10A.

H models provide susceptibility protection with minimal leakage current, and are suitable for patient care and non-patient care medical equipment.

L models feature a high performance medical filter designed to help bring most digital equipment (including switching power supplies) into compliance with EN55022, Level B (as well as FCC part 15J, Class B) conducted emissions limits. They are available with current ratings of 6 and 10A. These high performance versions are only available with mounting ears, single voltage selection, in a complete RFI shield with options for switch, fuses and current ratings. Mounting extenders are not compatible with the L or Z models.

Z models provide a high performance three element differential mode circuit filter, with extended EMI attenuation similar to the M Series Z models, to help bring most digital equipment (including switching power supplies) into compliance with EN55022, Level B (as well as FCC Part 15J, Class B) conducted emissions limits. They are available with current ratings of 6 and 10A. These high performance versions are only available with mounting ears, single voltage selection, in a complete RFI shield with options for switch, fuses and current ratings. Mounting extenders are not compatible with the L or Z models. For minimum depth behind the panel, see the M Series

B models are non-filtered and incorporate an interconnection block. The block connects the voltage selection terminals of an unfiltered CHAMELEON module with an IEC connector and an optional switch to reduce external wiring. Compatible with the A or B RFI shield options.

P Series

Ordering Information

Part numbers are constructed by selecting the alphanumeric character which represents the desired feature.
Note: For any option where shown as "0" use the digit ZERO (0) not the letter (O).

Mounting Style	Extender Options[1]	Switch Options*	Voltage Select[2]	Fuse Options	Filter Type	Filter Current	Shield Options[1]
P	S	J	0	X	S	S	6	0

Mounting Style
E = Mounting ears (Horizontal axis)
S = Snap-in
M = Mounting ears (Vertical axis)

Switch Option
0 = Blank
S = Double pole single throw (DPST)

Fuse Options
D = Dual fuse
S = Single fuse

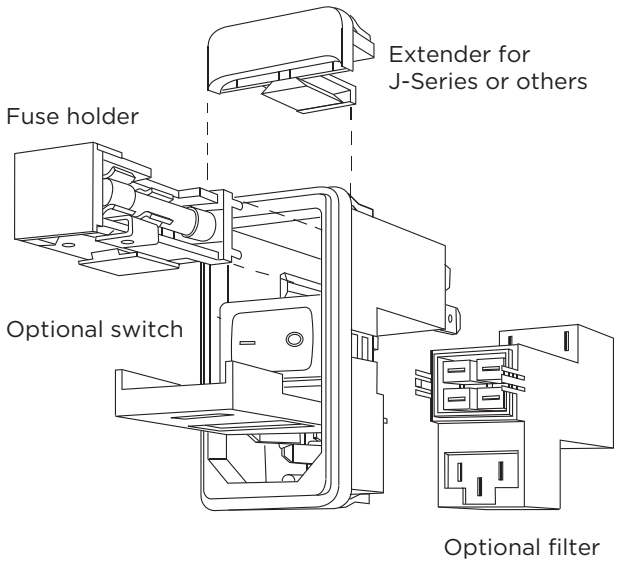
Filter Current
0 = No filter
3 = 3A
6 = 6A
X = 10A

Extender Option
0 = None
C = FN260
J = J Series
L = L Series[1]

Input Voltage Select
0 = Single voltage
S = Dual voltage[2] select (SMPS)
X = Dual voltage[2] select (series/parallel)

Filter Type
0 = No filter
B = Interconnection block[3]
H = Medical Filter
L = High Performance Medical[4]
S = General purpose
Z = High Performance[4]

Shield Options
0 = No shield
A = Filter shield
B = Complete Shield
C = Complete can (for L & Z models)



Notes:

1 L Series extender cannot be added to units with a shield. No style of extender can be added to units with B or C shields.

2 Dual voltage options are not available with L or Z Filter Types

3 When using the interconnection block, the last 3 digits of the part number are BX (0, A, or B)

4 High performance versions (L or Z filter types) are available with any switch or fuse option but only in 6 or 10A with horizontal (PE) or vertical (PM) mounting ears, single voltage (0), complete shield (C) and no extenders

* For alternative switch orientation options, please contact technical support or your Corcom product sales representative

The part number **PS0SXSS6B** would represent:

P Series (P) with a snap-in mount (S) with no extender (0) a switch (S) dual voltage select (X) single fusing (S) general purpose filter (S) for 6A (6) with a B shield (B)

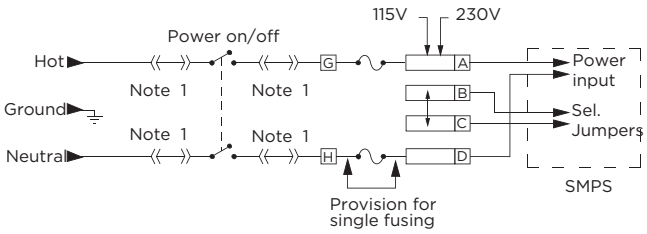
P Series

Voltage Selection

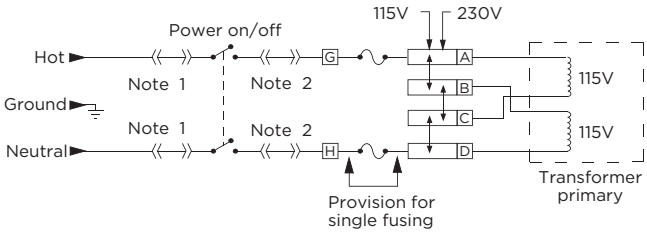
P series power entry modules include the voltage selector integral with the fuse holder. Three voltage selection options are each supported by one of three different fuse holders. The fifth digit of the part number specifies which of the three fuse holders is included to provide the desired voltage selection. The single voltage fuse holder (option "0") has no voltage indication markings. The dual voltage options select 115V or 230V by removing the fuse holder, flipping it over, and reinstalling it. Voltage selection is indicated through a window in the P Series door. The "SMPS" fuse holder (option "S") jumpers two independent P Series terminals to indicate 230V operation to a switching mode power supply. The "PRSR" parallel/serial fuse holder (option "X") connects the windings of the equipment's dual primary transformer (not included) to step down the voltage or double up the current. The markings on the voltage selection fuse holders also remind the user to install the appropriate fuse for the current at the selected voltage.

Input Voltage Selection Schemes

S - "SPMS" Jumper Type



X - "PRSR" Parallel / Serial Type for Dual Primary Transformer



Note 1: Additional jumper wiring is required if a filter or interconnection module is not used.
Note 2: Location of optional filter. Additional jumper wiring is required if a filter or interconnection block is not used.

Shield Options

The P series offers several RF shield options. The metal shield, optional on S, H and B filtered models, provides shielding from radiated emissions and provides an RF ground for the filter to the panel. This shield is available in two versions; a shield of the filter components (designated by an A as the final digit) and a complete shield (designated by B as the final digit).

The A shield covers the filter portion of the module and increases performance of the filter by protecting the components from RFI coupling. This shield allows the use of the C or J extender.

The B shield covers the entire power entry module with metal, protecting the filter from RFI coupling, and covering the mounting cut-out to block RFI entering or leaving the equipment. The B shield cannot be used with any extender.

A complete metal enclosure is integral to both the high performance L and Z models, and must be specified by a C in the part number's final digit. This option is only available with the L or Z models.

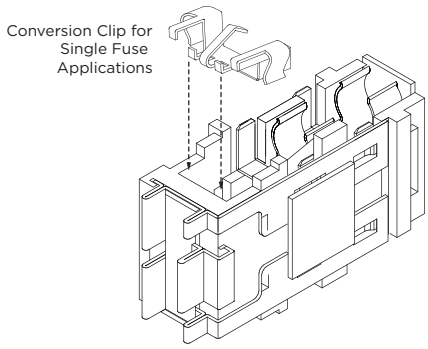
"A" Shield

"B" Shield

P Series

Fuseholder

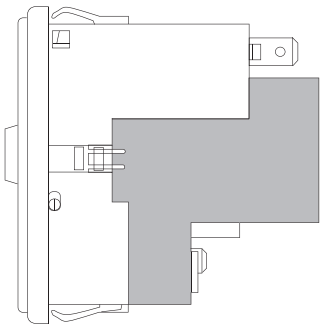
Another feature of the P series power entry module is the versatile fusing arrangement. The fuse holder can hold two 1/4" x 1-1/4" (3AG) or 5 x 20mm (metric) fuses. Single fusing is supported with a conversion clip that shorts one of the two fuse positions, and is designated by an S in the sixth part number digit. A module designated for a single fuse may be reconfigured by the manufacturer or the user to accept two fuses by simply removing the shorting clip. For applications intended for dual fusing, specify a D in the sixth part number digit.



Interconnection Block

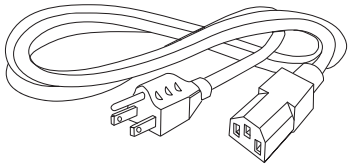
Installation of the unfiltered versions of the P series requires wiring of the IEC socket terminals to the optional switch and the switch to the fuse holder. Labor can be eliminated by ordering the module with an interconnection block. This feature, designated by "BX" in the seventh and eighth digits, pre wires the module so that only connection to the equipment must be done during installation. The interconnection block includes a plastic case to prevent access to the internal connections.

The dimensions of this alternative are the same as the filtered versions.

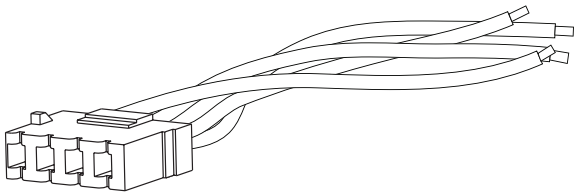


Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



PA100: Power interconnect assembly
For voltage select models. Designed for use with either filtered or non-filtered units, 6" wire leads



PA101: Plug only

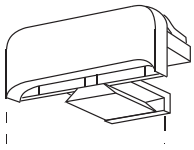
PA102: Pins only for use with PA101

PA105: Same as PA100 but with two wires for units with no voltage selection

PA400: J Extender
Extends P Series height to fit J panel cutout

PA410: L Extender
Extends P Series width to fit L panel cutout

PA420: C Extender
Extends P Series height to fit C panel cutout



PA400
J Series Extender

C & L Extenders can not be used with B Shields.

L Extender can not be used with shields

P Series

Specifications

Maximum leakage current each Line to Ground:

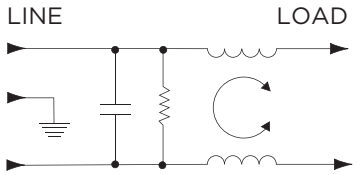
	H & L Models	S & Z Models
@ 120 VAC 60 Hz:	2 µA	.25 mA
@ 250 VAC 50 Hz:	5 µA	.50 mA

Hipot rating (one minute):

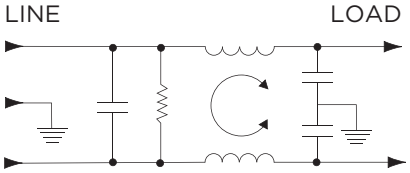
Line to Ground:	2250 VDC
Line to Line:	1450 VDC
Rated Voltage(max.):	250VAC
Operating Voltages:	
Selectable or Fixed	115/230 VAC
Operating Frequency:	50/60 Hz
Rated Current:	Non-Filtered – 10A
	Filtered – 3, 6 or 10A
Fuseholder:	Accepts one or two fuses .25 x 1.25"(not included) or 5 x 20mm (not included)
Switch:	DPST
	10,000 operations at 51A max. inrush

Electrical Schematics

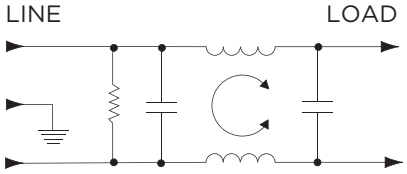
H Model



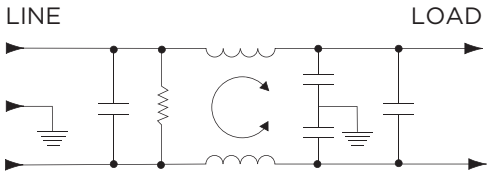
S Model



L Model

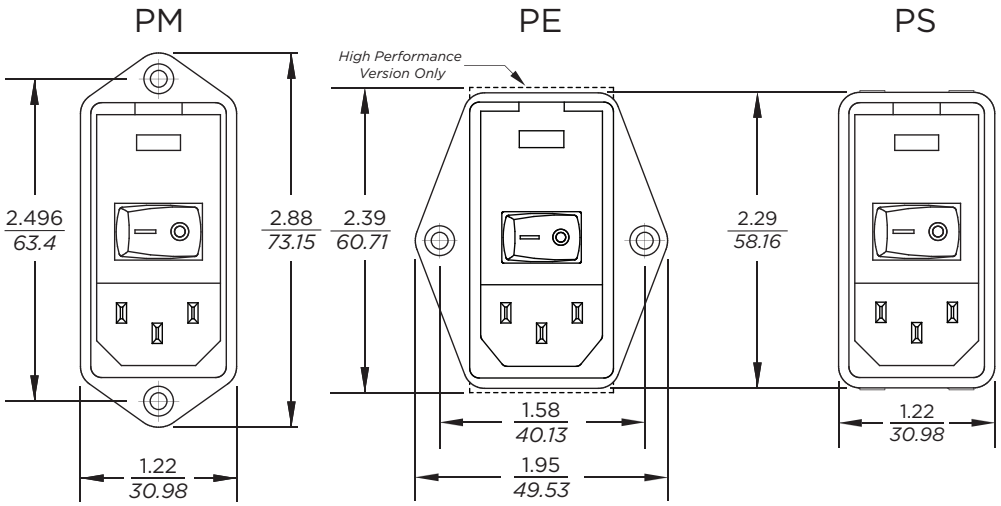


Z Model



Case Styles

Front View



Typical Dimensions:

Line Inlet (1): IEC 60320-1 C14

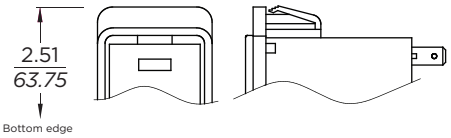
Mounting holes (2): .135 [*3.43*] Dia. with .23 [*5.9*] Dia. x 82° countersink for #4 flathead screw (PM, PE only)

P Series

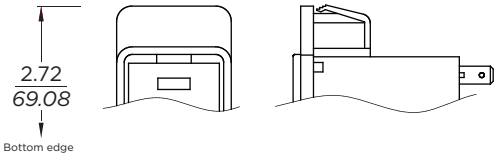
Case Styles *(continued)*

Extender Options

C Extender - FN260

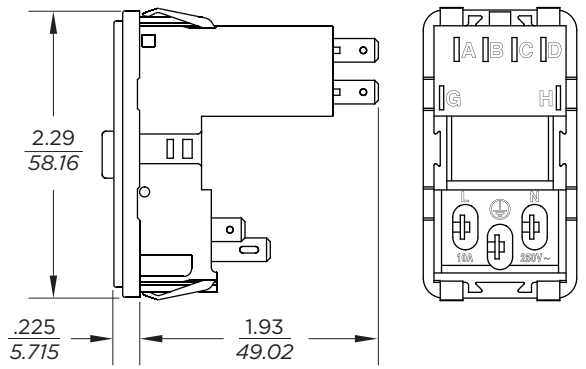


J Extender - J Series

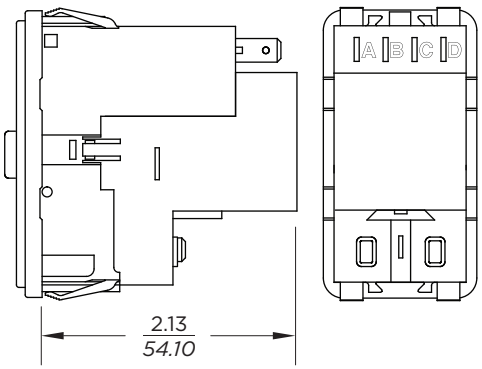


Standard Models - Side and Rear View

Non-Filtered



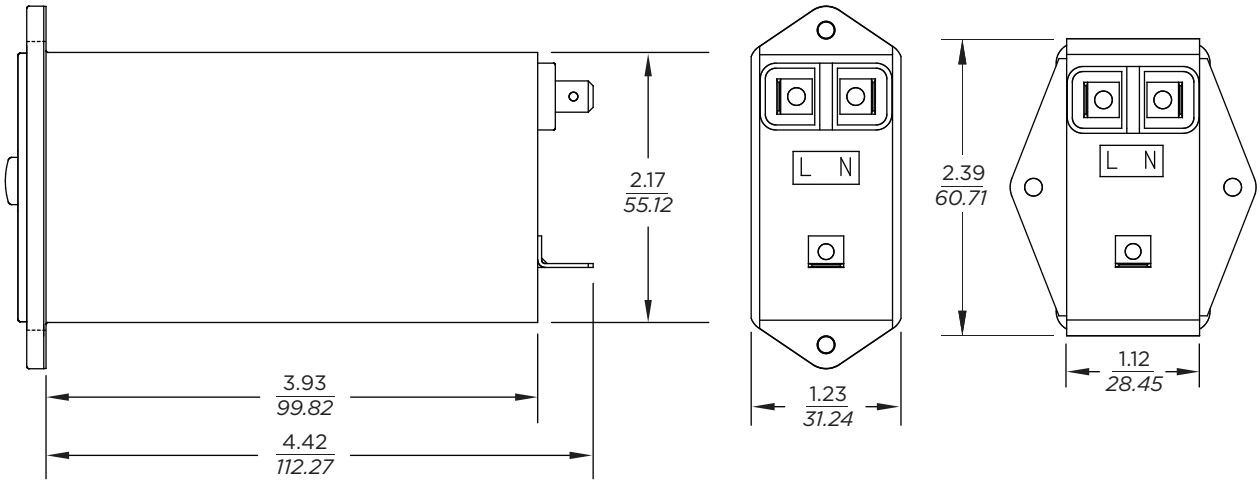
Filtered



Typical Dimensions:

Terminals:	.187 [*4.8*] with .055 [*1.4*] Dia. hole. Recommended for use with mating connectors - no solder
Ground Terminal (1):	.187 [*4.8*] with .112 x .06 [*2.8 x 1.5*] slot. Recommended for use with mating connectors - no solder

High Performance Models - Side and Rear View



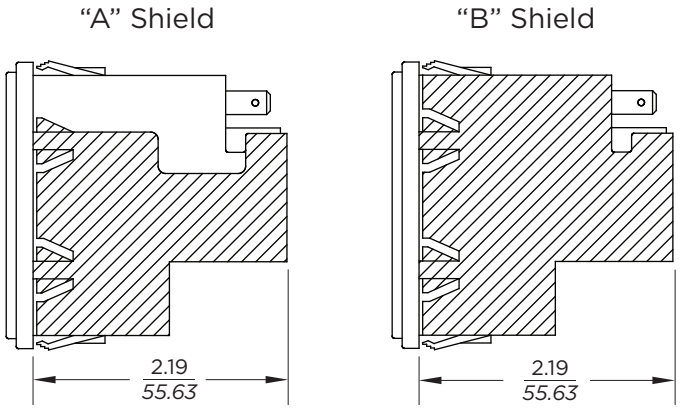
Typical Dimensions:

Terminals:	.250 [*6.4*] with .07 [*1.8*] Dia. hole. Recommended for use with mating connectors - no solder
Ground Terminal (1):	.250 [*6.4*] with .16 x .07 [*4.1 x 1.8*] slot. Recommended for use with mating connectors - no solder

P Series

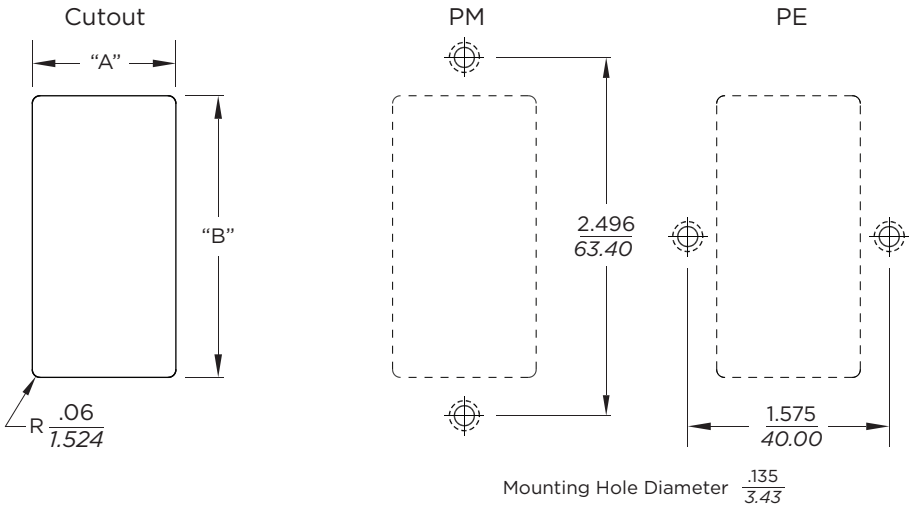
Case Styles *(continued)*

Shield Options



Note: Shields can only be used with filtered models. B shield may not be used with J or C extender

Recommended Panel Cutout



Note: For snap-in applications, the "A" sides must have a .020 [.508] radius on the installation side.
Dimensions are for front mount applications. Rear mount dimensions should be determined based on customer's application parameters. Snap-in models allow for front mounting only. Not recommended for use in plastic panels.

Style	Dimension "A" +.008 - .000			Dimension "B" +.008 - .000	
	No Shield	Shielded	High Performance	Standard	High Performance
PM	1.06 [*26.92*]	1.12 [*28.45*]	1.12 [*28.45*]	2.13 [*54.10*]	2.201 [*55.91*]
PE	1.12 [*28.45*]	1.12 [*28.45*]	1.15 [*29.21*]	2.201 [*55.91*]*	2.201 [*55.91*]
PS	1.06 [*26.92*]	1.12 [*28.45*]	-	2.201 [*55.91*]*	-
PSC	1.06 [*26.92*]	1.12 [*28.45*]	-	2.52 [*64.01*]	-
PSJ	1.06 [*26.92*]	1.12 [*28.45*]	-	2.60 [*66.04*]	-
PSL	1.12 [*28.45*]	-	-	2.201 [*55.91*]*	-

**For panel thickness of 0.031 - 0.079 [0.787 - 2.01] only. Use 2.213 [56.21] for panel thickness of 0.083 - 0.114 [2.0 - 2.90]*

P Series

Performance Data

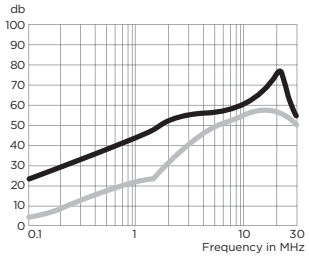
Typical Insertion Loss

Measured in closed 50 Ohm system

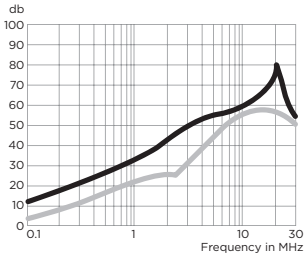
Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

S Models

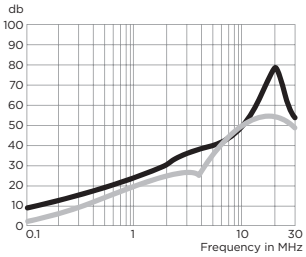
3A



6A

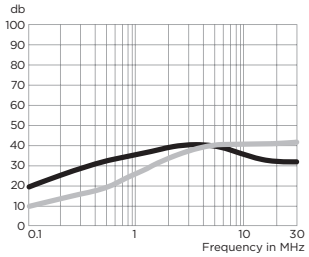


10A

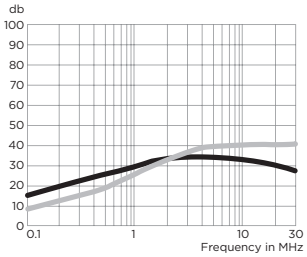


H Models

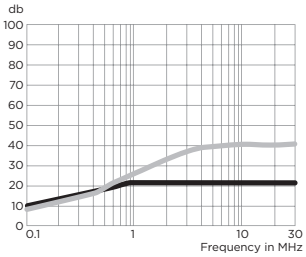
3A



6A

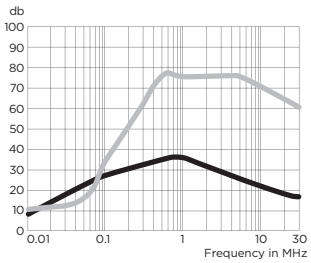


10A

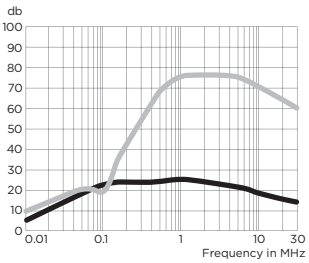


L Models

6A

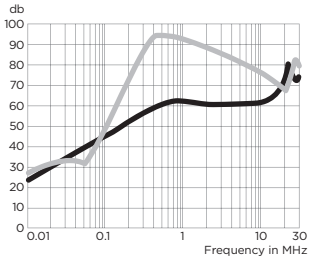


10A

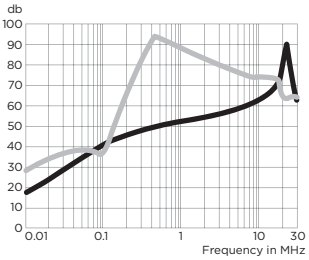


Z Models

6A



10A



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.

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P Series

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz								
	.03	.1	.15	.5	1	3	5	10	30
S Models									
3A	7	17	21	27	33	40	44	50	32
6A	-	8	12	17	23	32	36	44	30
10A	-	3	5	10	13	23	27	35	27
H Models									
3A	7	17	21	27	30	29	26	23	15
6A	-	8	11	15	17	19	18	16	13
10A	3	5	8	10	12	11	11	10	10

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz							
	.10	.15	.5	1	3	5	10	30
S Models								
3A	2	4	12	15	30	48	50	45
6A	2	4	12	15	22	42	55	45
10A	2	4	12	15	22	42	55	45
H Models								
3A	2	4	12	18	31	40	48	41
6A	2	4	12	16	26	35	40	35
10A	2	4	12	16	26	33	40	32

Current Rating	Frequency – MHz								
	.01	.05	.1	.15	.5	1	5	10	30
L Models									
6A	8	21	27	29	34	35	25	21	16
10A	5	17	22	23	24	25	21	18	14
Z Models									
6A	8	21	27	30	37	43	49	52	42
10A	5	17	22	24	27	32	52	47	40

Current Rating	Frequency – MHz								
	.01	.05	.1	.15	.5	1	5	10	30
L Models									
6A	10	15	34	44	75	75	75	70	60
10A	10	20	20	35	67	75	75	70	60
Z Models									
6A	10	15	34	44	75	75	75	70	60
10A	10	20	20	35	67	75	75	70	60

SR Series

UL Recognized
CSA Certified
VDE Approved*

SR Series

- Full Line of popular AC receptacles
- Male and female power line connectors
- Snap-in and flange mount versions
- IEC60320-1 C-13 & C14 inlets rated up to 15A
- IEC60320-1 C-19 & C-20 inlets rated up to 20A

Ordering Information

6 E SR M - P

- **Current Rating Indicator**
  - 6 = 15A max.*
  - 20 = 20A max.*
- **Leakage current designation**
  - E – Low Leakage *(<0.5 mA)*
- **SR Series**
- **Front Connector Styles**
  - M – Male
    - *15A = IEC 60320-1 C-14*
    - *20A = IEC 60320-1 C-20*
  - F – Female
    - *15A = IEC 60320-1 C-13*
- **Mounting Style**
  - C – Snap-In
  - – Flange
- **Rear Connector Styles**
  - 2 – .187 [*4.8*] spade terminals
  - 3 – .250 [*6.3*] spade terminals
  - P – PC board pins
    - Fits .063 [*1.6*] hole

*15A versions are VDE approved at 10A, 250VAC max.
20A versions are VDE approved at 16A, 250VAC max.

Specifications

Rated Voltage (max.): 250 VAC

Materials:

Insulator: Thermoplastic UL 94V-0 flame rating

Prongs: Solid brass, nickel plated

Terminals: Brass, tin plated

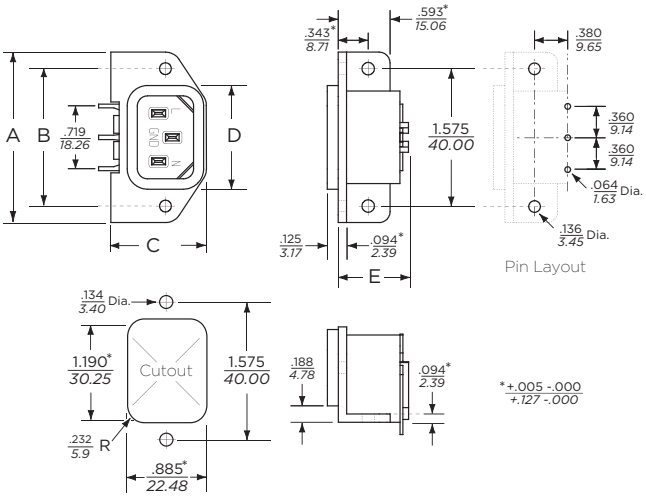
Temperature Rating: For “cold” connections, 65°C

Available Part Numbers

Type	Male Connector	Female Connector
PC Pins	6ESRM-P	
Snap-In	6ESRMC2	6ESRFC3
Flange Mount	6ESRM-3	6ESRF-3
Snap-In	20ESRMC2	
Flange Mount	20ESRM-3	

Case Styles

6ESRM-P



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.

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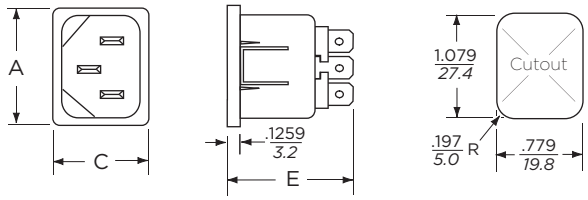
SR Series

Case Styles *(continued)*

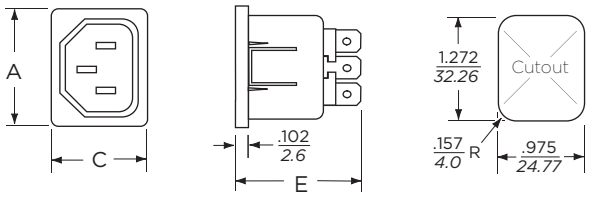
6ESRMC2



Typical Dimensions:

Front Connector:	IEC 60320-1 C14
Rear Terminals:	.187 [*4.8*] with .07 [*1.8*] Dia. hole

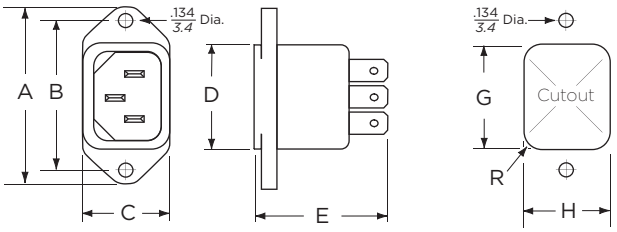
6ESRFC3



Typical Dimensions:

Front Connector:	IEC 60320-1 C13
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

6ESRM-3



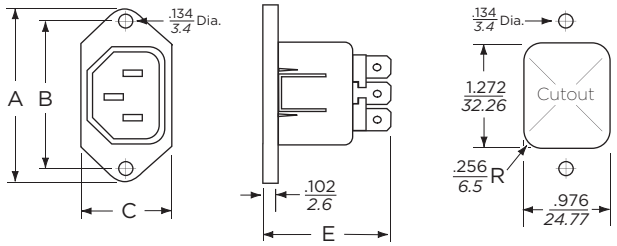
Cutout Dimensions:

	Rear Mount	Front Mount
G:	1.19 [*30.23*]	1.079 [*27.4*]
H:	0.894 [*22.7*]	0.779 [*19.8*]
R:	0.232 [*5.9*]	0.197 [*5.0*]

Typical Dimensions:

Front Connector:	IEC 60320-1 C14
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

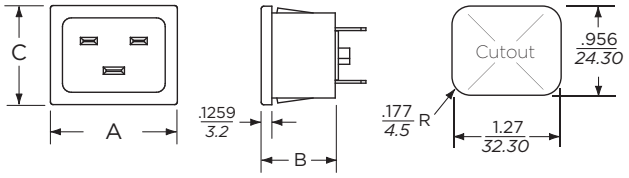
6ESRF-3



Typical Dimensions:

Front Connector:	IEC 60320-1 C13
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

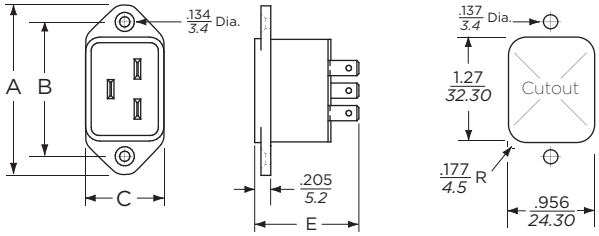
20ESRMC2



Typical Dimensions:

Front Connector:	IEC 60320-1 C20
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

20ESRM-3



Typical Dimensions:

Front Connector:	IEC 60320-1 C20
Rear Terminals:	.25 [*6.3*] with .07 [*1.8*] Dia. hole

Case Dimensions

Part No.	A (max.)	B +.017 -.006 / +.43 -.15	C (max.)	D (max.)	E (max.)
6ESRM-P	**1.96** *49.8*	**1.575** *40.0*	**1.094** *27.8*	**1.118** *28.39*	**.807** *20.5*
6ESRMC2	**1.182** *30.00*	-	**.885** *22.5*	-	**1.192** *30.3*
6ESRFC3	**1.39** *35.5*	-	**1.09** *27.8*	-	**1.496** *38.0*
6ESRM-3	**1.96** *49.8*	**1.575** *40.0*	**.885** *22.5*	**1.19** *30.23*	**1.275** *32.4*
6ESRF-3	**1.953** *49.6*	**1.575** *40.0*	**1.133** *28.8*	-	**1.496** *38.0*
20ESRMC2	**1.377** *35.0*	**.921** *23.4*	**1.06** *27.0*	-	-
20ESRM-3	**2.087** *53.0*	**1.653** *42.0*	**.999** *25.4*	-	**1.318** *33.5*

Minimum Depth, Cost-effective Shielded Power Inlet Filter

SRB Series

UL Recognized
CSA Certified
VDE Approved*

SRB Series

- Smallest depth Corcom RFI filter available
- Complete shield
- Wide range of capacitor values
- Attenuates coupled EMI up to 300MHz
- Minimal to low leakage current versions are suitable for patient and non-patient contact medical equipment.
- Full range of mounting and termination options including unique vertical and horizontal orientation slide in mounts eliminate the need for mounting hardware

Ordering Information

15 SRB S 1 - Q

Capacitor ID
See Chart
Omit if none

Output Styles
1 – Spade terminals *(back)*
2 – Spade terminals *(bottom)*
8 – Wire leads
P – PC board pins

Mounting Style
S – Snap-in
X – Slide-in (*short edge / horizontal*)
Y – Slide-in (*long edge / vertical*)
Omit for flange mount

SRB Series

Current Rating
15A

**15A versions are tested by Underwriters Laboratories to US and Canadian requirements and are VDE approved at 10A, 250VAC*

Specifications

Maximum leakage current each Line to Ground:

Capacitor ID / Value	@120 VAC 60 Hz	@250 VAC 50 Hz
Blank / None	2 µA	5 µA
Q / 33 pF	2.1 µA	3.65 µA
R / 100 pF	9.6 µA	16.6 µA
S / 220 pF	19.2 µA	33.2 µA
T / 330 pF	24.0 µA	41.5 µA
W / 470 pF	0.04 mA	0.07 mA
X / 1000 pF	0.07 mA	0.13 mA
Y / 2200 pF	0.16 mA	0.28 mA
Z / 3300 pF	0.24 mA	0.42 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: 15A*

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: $I_o = I_r \sqrt{(85-Ta)/45}$

Capacitor Options

Capacitor ID	Capacitor Value
Q	33 pF
R	100 pF
S	220 pF
T	330 pF
W	470 pF
X	1000 pF
Y*	2200 pF
Z*	3300 pF

**Not available in SRB8, SRBX or SRBY styles*

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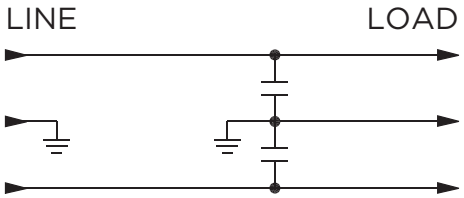
SRB Series

Available Part Numbers

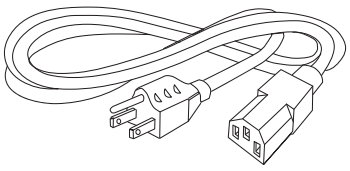
Flange Mount			
15SRB1	15SRB2	15SRBP	15SRB8
15SRB1-Q	15SRB2-Q	15SRBP-Q	15SRB8-Q
15SRB1-R	15SRB2-R	15SRBP-R	15SRB8-R
15SRB1-S	15SRB2-S	15SRBP-S	15SRB8-S
15SRB1-T	15SRB2-T	15SRBP-T	15SRB8-T
15SRB1-W	15SRB2-W	15SRBP-W	15SRB8-W
15SRB1-X	15SRB2-X	15SRBP-X	15SRB8-X
15SRB1-Y	15SRB2-Y	15SRBP-Y	
15SRB1-Z	15SRB2-Z	15SRBP-Z	
Snap-In		**Slide-In**	
15SRBS1	15SRBS8	15SRBX8	15SRBY8
15SRBS1-Q	15SRBS8-Q	15SRBX8-Q	15SRBY8-Q
15SRBS1-R	15SRBS8-R	15SRBX8-R	15SRBY8-R
15SRBS1-S	15SRBS8-S	15SRBX8-S	15SRBY8-S
15SRBS1-T	15SRBS8-T	15SRBX8-T	15SRBY8-T
15SRBS1-W	15SRBS8-W	15SRBX8-W	15SRBY8-W
15SRBS1-X	15SRBS8-X	15SRBX8-X	15SRBY8-X
15SRBS1-Y			
15SRBS1-Z			

Electrical Schematic



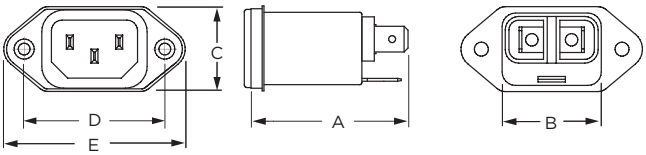
Accessories

GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



Case Styles

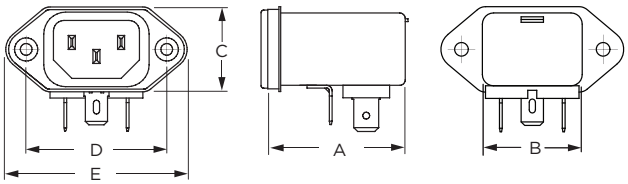
SRB1



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

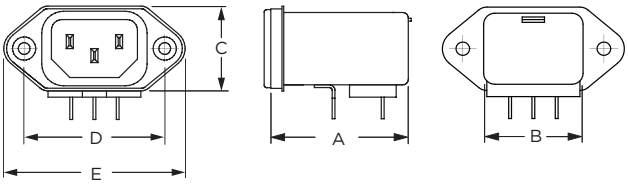
SRB2



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Load 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

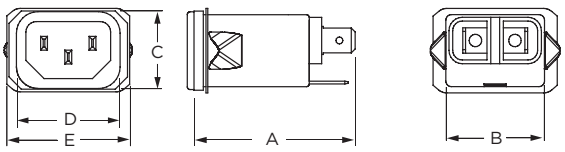
SRBP



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
PC board pins (3):	.031 [*0.7*] square, ± .003 [*.07*]

SRBS1



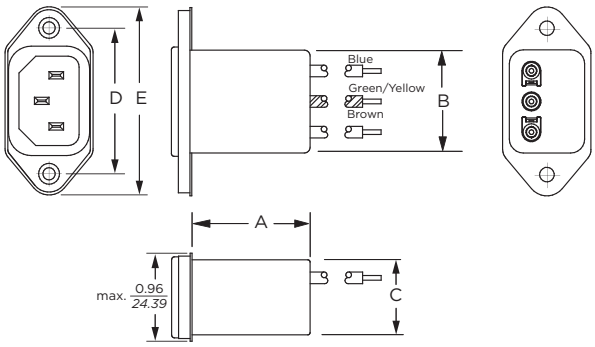
Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Load 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

SRB Series

Case Styles *(continued)*

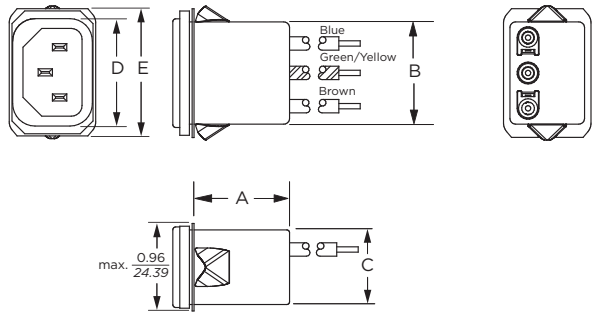
SRB8



Typical Dimensions:

Mounting holes (2):	.132 [*3.35*] Dia. with .236 [*5.99*] Dia. x 90° countersink for #4 flathead screw
Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

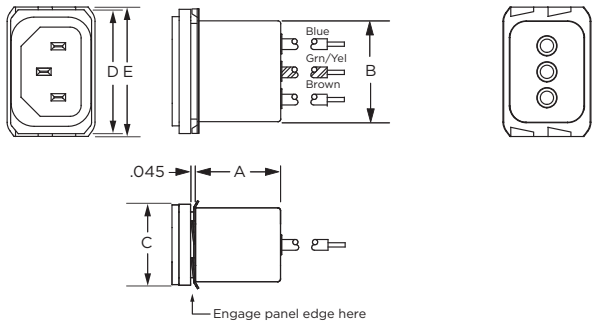
SRBS8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

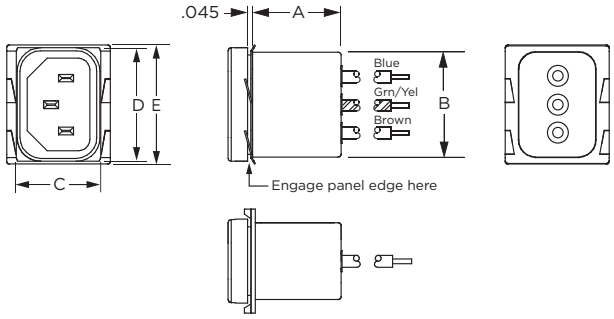
SRBX8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

SRBY8



Typical Dimensions:

Line Inlet (1):	IEC 60320-1 C14
Wire Leads:	4.0 [*101.6*] Min., 18AWG, UL1015

Case Dimensions

Part No.	A (max.)	B (max.)	C (max.)	D ± .015 / ± .38	E (max.)
15SRB1	**1.75** *44.45*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRB2	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRBP	**1.54** *39.12*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *21.76*
15SRBS1	**1.75** *44.45*	**1.13** *28.70*	**0.96** *24.38*	**1.19** *30.10*	**1.41** *35.81*
15SRB8	**0.95** *24.13*	**1.13** *28.70*	**0.96** *24.38*	**1.58** *40.00*	**2.04** *51.76*
15SRBS8	**.95** *24.13*	**1.13** *28.70*	**0.96** *24.38*	**1.19** *30.10*	**1.41** *35.81*
15SRBX8	**0.95** *24.1*	**1.11** *28.2*	**0.89** *22.61*	**1.35*** *34.29**	**1.41** *35.81*
15SRBY8	**0.95** *24.1*	**1.11** *28.2*	**0.89** *22.61*	**1.30*** *33.02**	**1.36** *34.54*

*max.

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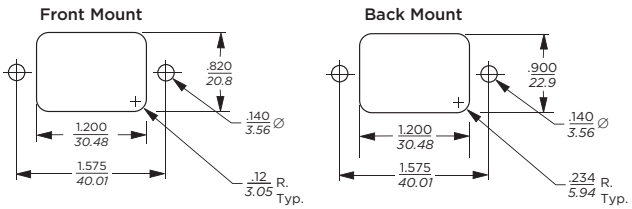
SRB Series

Recommended Panel Cutouts

SRB1, SRB2, SRBP & SRB8

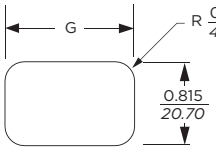


Tolerances ± .005 [*0.13*] unless otherwise noted

Note 1: SRB1 and SRB8 can be front or back mounted

Note 2: SRB2 and SRBP can be back mounted only

SRBS

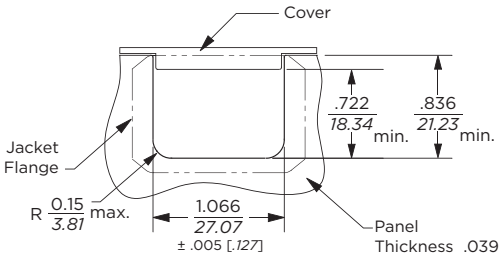


Front Mount only

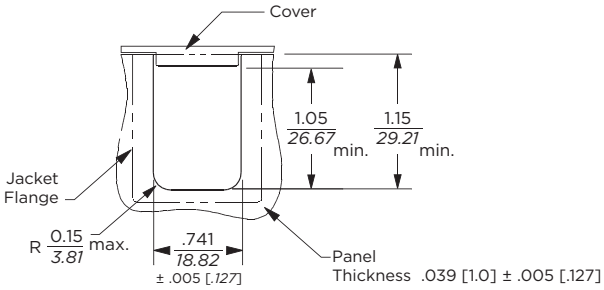
Panel Thickness	G Dim. ± .002 [*.05*]
0.031 - 0.052 [*0.79 - 1.32*]	1.260 [*32.00*]
0.046 - 0.068 [1.17 - 1.73]	1.350 [*34.29*]

Tolerance ±.002 *[.050]*

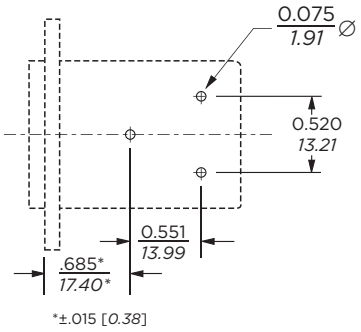
SRBX



SRBY



PC Board Layout



*±.015 [*0.38*]

SRBX8

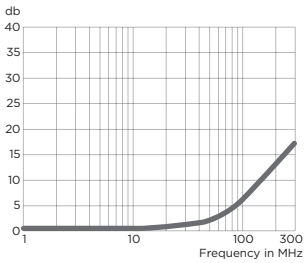
SRB Series

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system

Q



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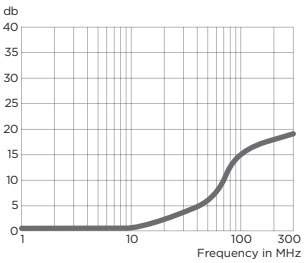

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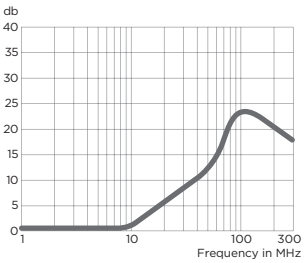

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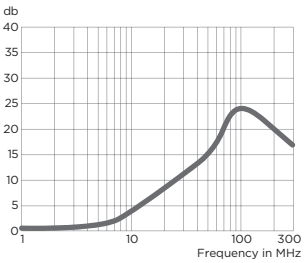

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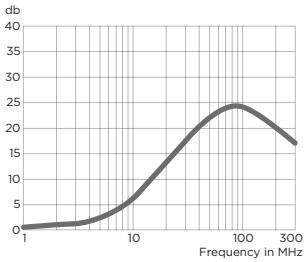

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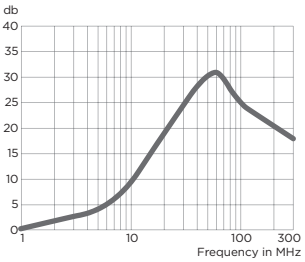

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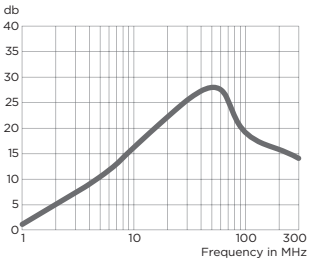
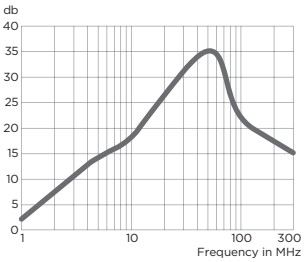


Z



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 1	5	10	50	100	300
Q	-	-	-	-	-	20
R	-	-	-	3	6	22
S	-	-	1	6	17	19
T	-	-	2	13	13	19
W	-	2	4	18	13	20
X	-	5	9	25	10	17
Y	1	10	15	20	8	22
Z	2	14	18	17	7	15