

## 5EFM1 Product Details



**5EFM1**

TE Internal Number: 2-6609129-1

 Active

### EMI/RFI Filters and Accessories

 Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Filter - EMI/RFI
- Filter Type = Power Entry (Filtered/Unfiltered)
- M (3-6 Amp) Series
- General Purpose Application
- Mount Style = Flanged

### Documentation & Additional Information

#### Product Drawings:

- [CUSTOMER DRAWING 5EFM1](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [1654001\\_CORCOM\\_PRODUCT\\_GUIDE\\_M\\_SERIES](#) (PDF, English)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version E)
- [3D Model](#) (IGES, Version E)
- [3D Model](#) (STEP, Version E)

#### Additional Information:

- [Product Line Information](#)

#### Additional Product Images:

- [Insertion Loss/Specifications](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- [Product Type](#) = Filter - EMI/RFI
- [Filter Type](#) = Power Entry (Filtered/Unfiltered)
- [Series](#) = M (3-6 Amp)
- [Filtered](#) = Yes
- [Type of Connector](#) = IEC 320/C-14

#### Electrical Characteristics:

- [Input Voltage Select](#) = Single AC Voltage
- [Current Rating \(A\)](#) = 5
- [Voltage Selection](#) = Single
- [Voltage ≤ \(VAC\)](#) = 120, 240
- Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz (mA) = 0.5
- Leakage Current (Line-to-Ground) Max. @ 120 VAC 60 Hz (mA) = 0.25

#### Termination Features:

- [Terminal Input - Output Combination](#) = IEC - .110 Faston

#### Body Features:

- [Mount Style](#) = Flanged
- [Switch Type](#) = No Switch

#### Configuration Features:

- [Fuse Options](#) = Dual, Single
- [Fuse Holder Type](#) = Selectable

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved Standards = CSA Certified, VDE Approved, UL Recognized

#### Conditions for Usage:

- [Facility Installation](#) = No
- [Need Min Size With IEC Connector](#) = Yes
- [Need Optional Switch, Fusing, Or Voltage Selector](#) = Yes

#### Operation/Application:

- [Application](#) = General Purpose

#### Other:

- [Brand](#) = Corcom
- [Comment](#) = Voltage Fixed

**Slim Power Entry Module Family with Multiple Options**

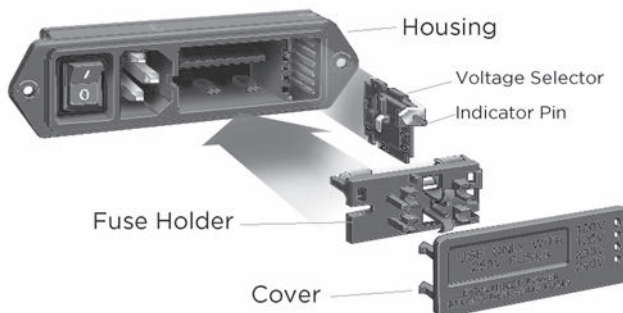
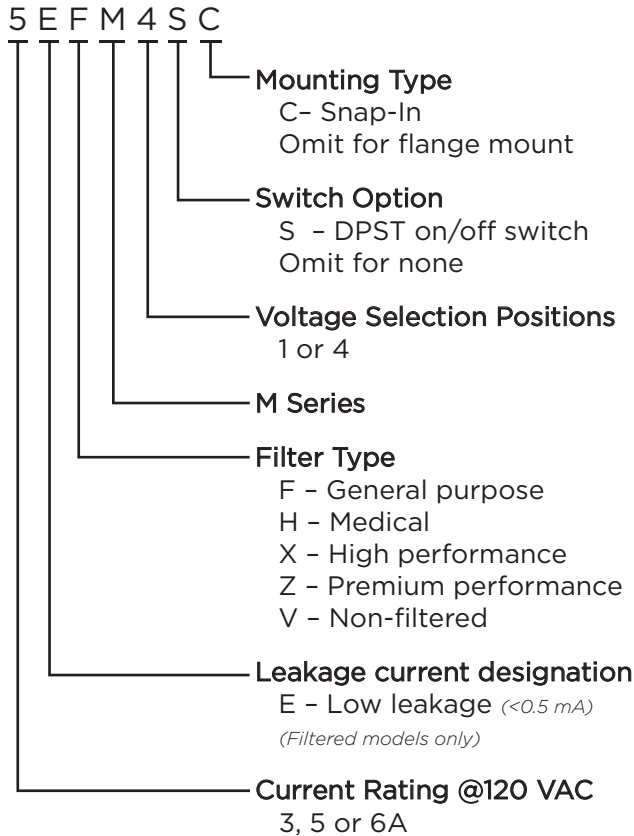
# M Series



UL Recognized  
CSA Certified  
VDE Approved



## Ordering Information



## 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.

**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

## Specifications

**Maximum leakage current each Line to Ground:**

	HM	FM	XM/ZM
@ 120 VAC 60 Hz:	2 $\mu$ A	.25 mA	.30 mA
@250 VAC 50 Hz:	5 $\mu$ A	.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)

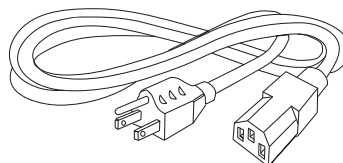
**Switch:** DPST  
100,000 operations at 70A max. inrush

## Available Part Numbers

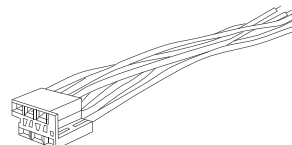
Non-Filtered Models				
Voltage Selections	Flange Mount		Snap-In	
1	6VM1	6VM1S	6VM1C	6VM1SC
2	6VM2	6VM2S		
4	6VM4	6VM4S	6VM4C	6VM4SC
General Purpose Filters				
1	5EFM1	5EFM1S	5EFM1C	5EFM1SC
4	5EFM4	5EFM4S	5EFM4C	5EFM4SC
Medical Filters				
1	5EHM1	5EHM1S		
4	5EHM4	5EHM4S		
High Performance - FCC-B	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

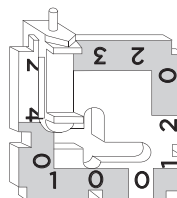
**MA104:** Individual pins for use with MA101

**MA302:** Two Voltage Selection Card

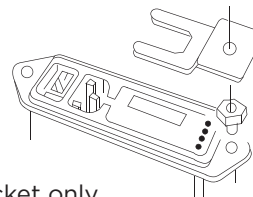
Marked 120V/240V. One card comes standard with every 2 voltage M series module

**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

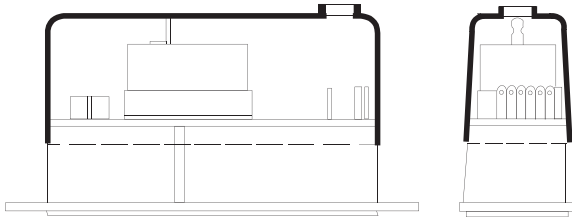
**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

## Accessories *(continued)*

### MA601 - 604: Insulating Boot

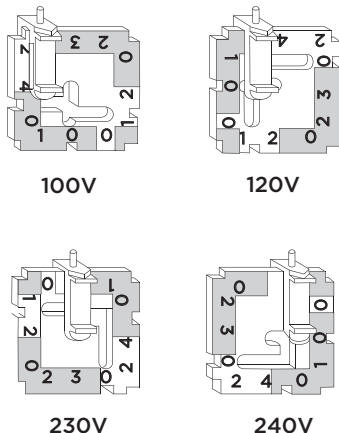
Plastic shroud for back of M series to prevent inadvertent access to connections



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

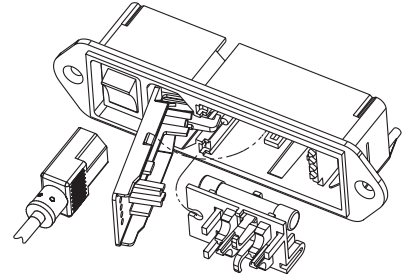
## Voltage Selection

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

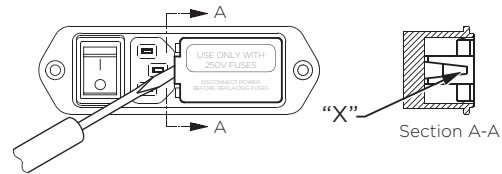


## Fuse Installation Instructions

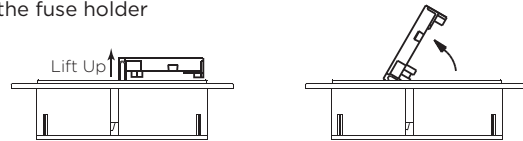
1. Remove power cord



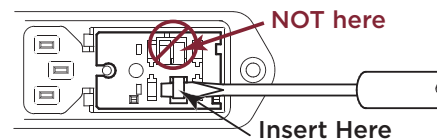
2. Insert a pocket screwdriver at point "X" as shown



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



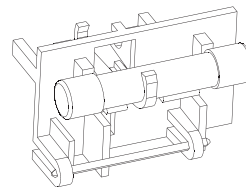
4. When the fuse holder is installed in the single fuse position, apply the screwdriver as shown and gently lift up. Use screwdriver as shown, do not use fingers



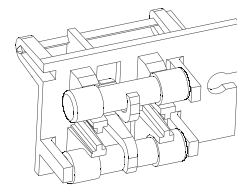
*When the fuse holder is installed in the dual fuse position, it will normally release as soon as the door is opened*

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***

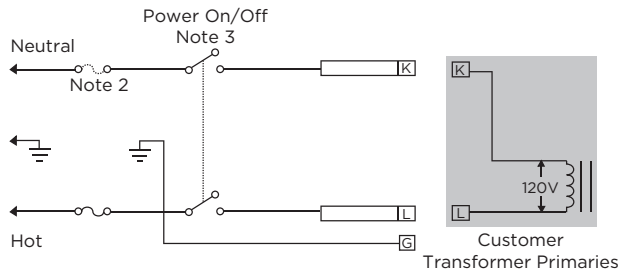
**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

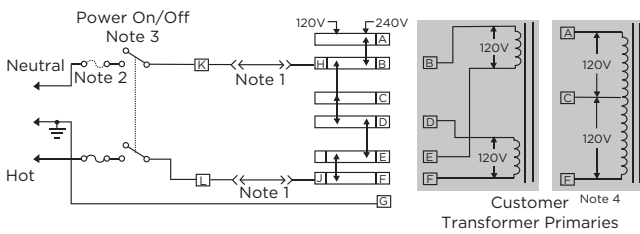
## Electrical Schematics

### Non-Filtered Models

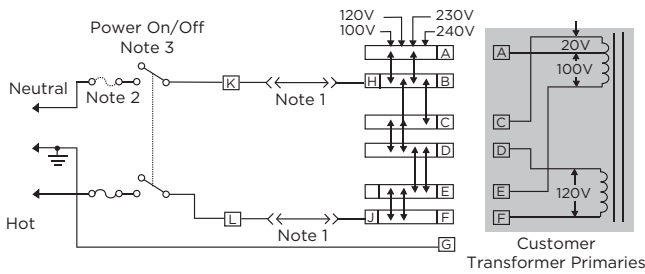
#### VM1



#### VM2



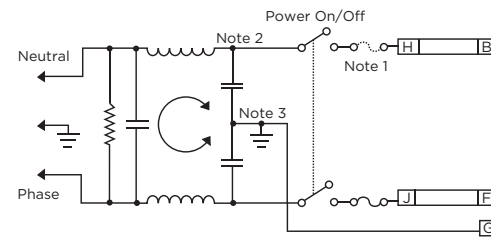
#### VM4



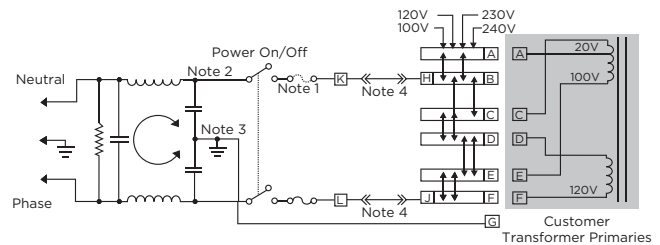
- Note 1: Jumper required if no input filter is used
- Note 2: Provision for dual Metric style fusing
- Note 3: On/off switch present only in "S" suffix models
- Note 4: When using a center-tapped transformer, the C-F winding should be the low voltage (high current) winding and must be capable of handling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

### Filtered Models

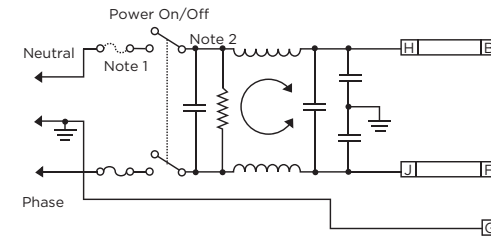
#### FM1 & HM1



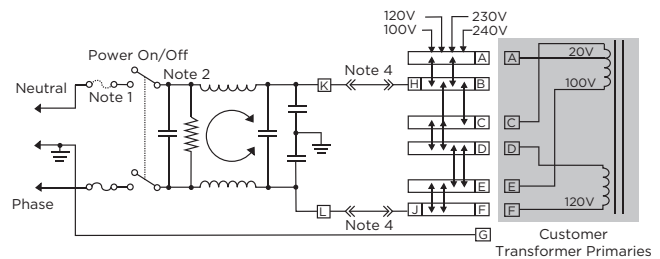
#### FM4 & HM4



#### XM1 & ZM1



#### XM4 & ZM4



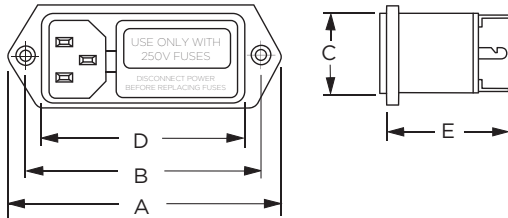
- Note 1: Provision for dual Metric style fusing
- Note 2: On/off switch present only in "S" suffix models
- Note 3: Line to ground capacitor not present on HM models
- Note 4: Models HM4, FM4, XM4 and ZM4 have added terminals K and L. External switch or jumper must be placed from K to H and L to J

**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

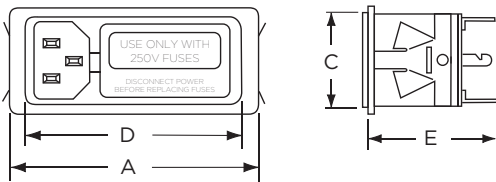
## Case Styles - Non-filtered Models

### 6VM1



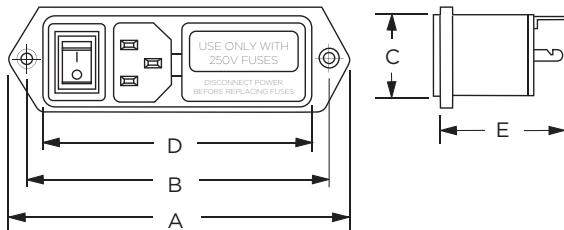
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82°  
 countersink for #6 flathead screw

### 6VM1C



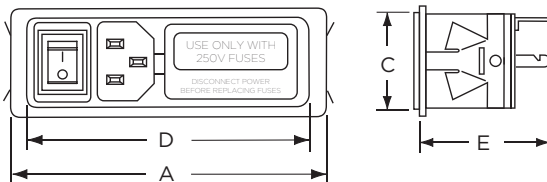
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]

### 6VM1S



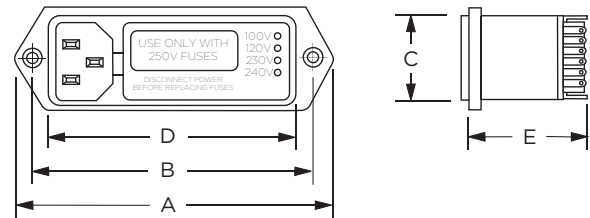
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82°  
 countersink for #6 flathead screw

### 6VM1SC



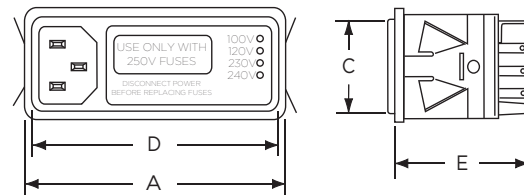
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]

### 6VM2 & 6VM4



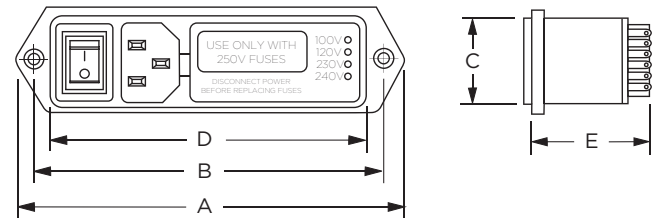
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82°  
 countersink for #6 flathead screw

### 6VM4C



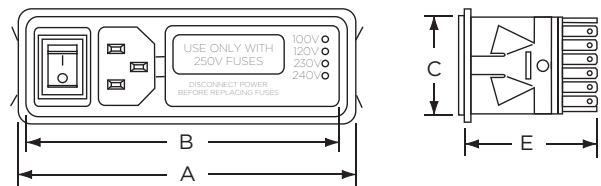
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]

### 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]

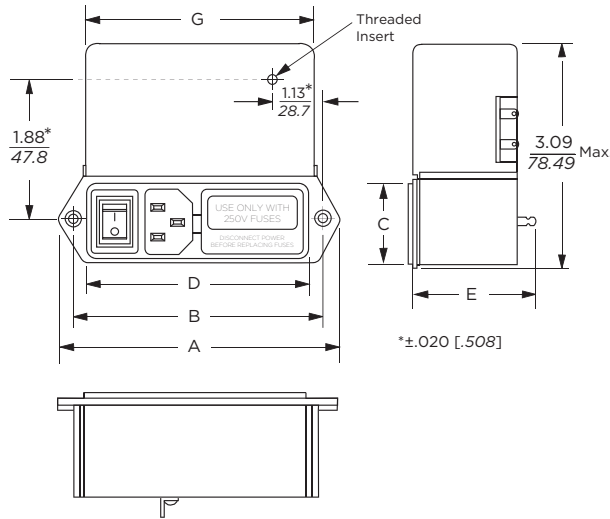


**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

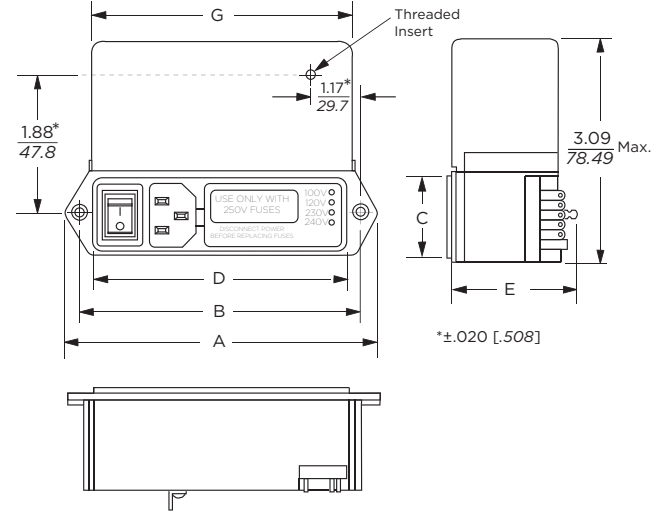
## Case Styles - Filtered Models

### 3EXM1S & 3EZM1S



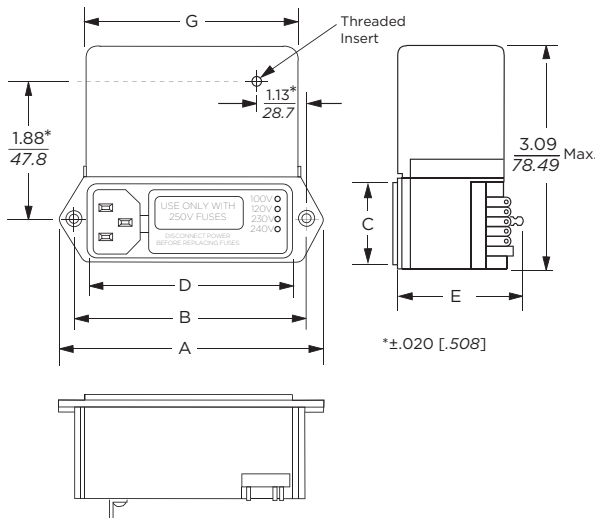
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Threaded insert: 6-32 x .25  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

### 3EXM4S & 3EZM4S



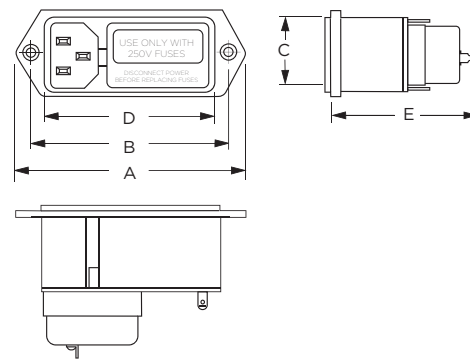
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Threaded insert: 6-32 x .25  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

### 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



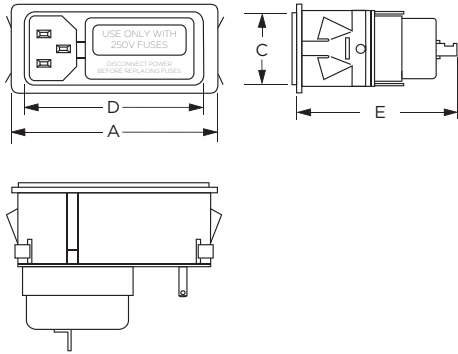
Typical Dimensions:  
 Line Inlet (1): IEC 60320-1 C14  
 Backplate Terminals: .110 [2.79]  
 Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

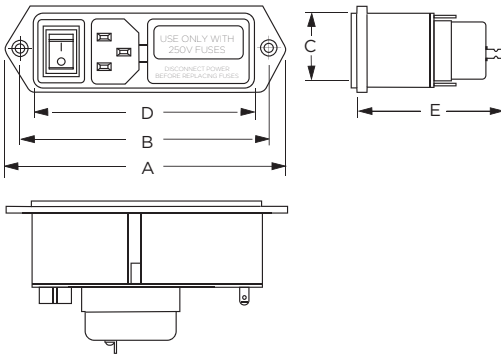
## Case Styles - Filtered Models *(continued)*

### 5EFM1C



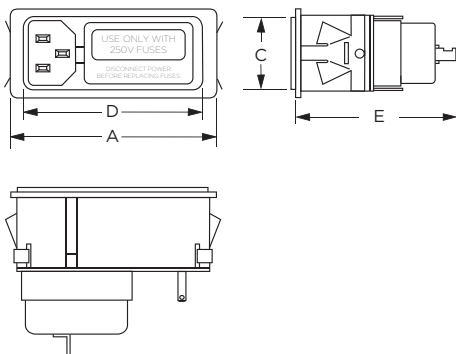
Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Backplate Terminals: .110 [2.79]

### 5EHM1S & 5EFM1S



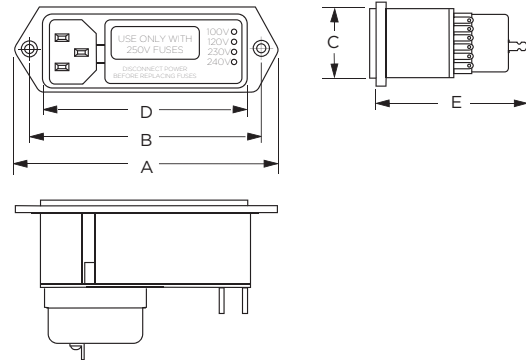
Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Backplate Terminals: .110 [2.79]  
Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

### 5EFM1SC



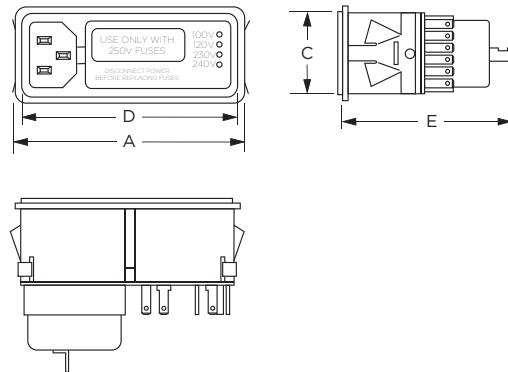
Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Backplate Terminals: .110 [2.79]

### 5EHM4 & 5EFM4



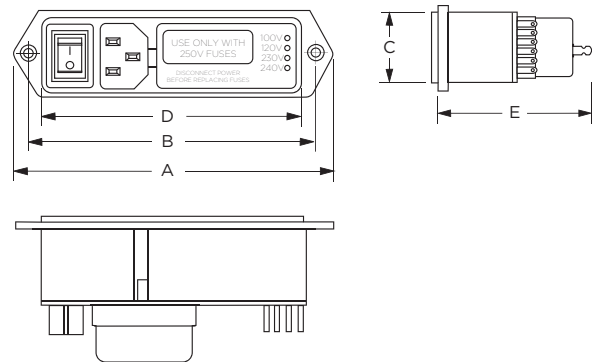
Typical Dimensions:  
Line Inlet (1): IEC 60320-1 C14  
Backplate Terminals: .110 [2.79]  
Mounting holes (2): .155 [3.94] Dia. with .279 [7.08] Dia. x 82° countersink for #6 flathead screw

### 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

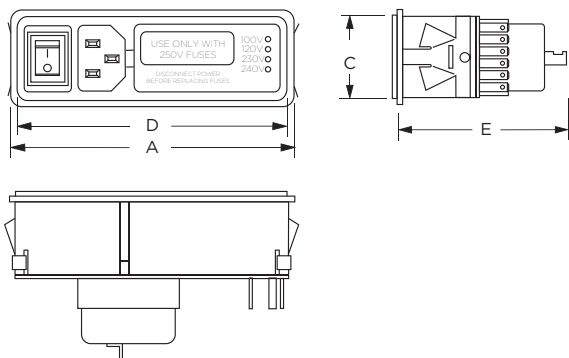


**Slim Power Entry Module Family with Multiple Options** *(continued)*

# M Series

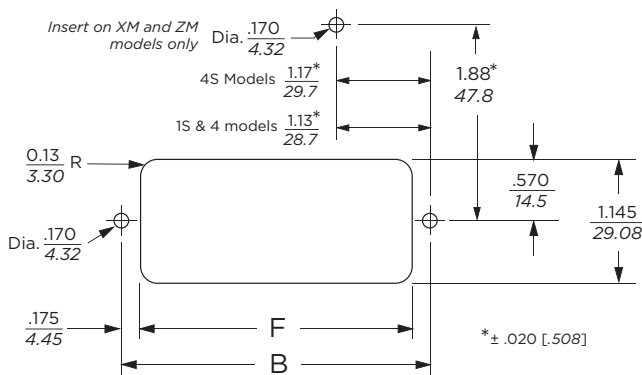
## Case Styles - Filtered Models *(continued)*

### 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 $\pm .015$ $\pm .38$	E (max.)	F (ref.)	G (ref.)
6VM1	<b>3.39</b> 86.1	<b>2.84</b> 72.1	<b>1.14</b> 29.0	<b>2.44</b> 62.0	<b>1.45</b> 36.8	<b>2.5</b> 63.5	-
6VM1C	<b>2.56</b> 86.1	-	<b>1.14</b> 29.0	<b>2.44</b> 62.0	<b>1.45</b> 36.8	<b>2.5</b> 63.2	-
6VM1S	<b>4.17</b> 105.9	<b>3.62</b> 91.9	<b>1.14</b> 29.0	<b>3.22</b> 81.8	<b>1.45</b> 36.8	<b>3.28</b> 83.3	-
6VM1SC	<b>3.34</b> 84.8	-	<b>1.14</b> 29.0	<b>3.27</b> 83.1	<b>1.45</b> 36.8	<b>3.27</b> 83.1	-
6VM2	<b>3.88</b>	<b>3.32</b>	<b>1.14</b>	<b>2.92</b>	<b>1.45</b>	<b>2.98</b>	-
6VM4	98.6	84.3	29.0	74.2	36.8	75.7	-
6VM4C	<b>3.04</b> 98.6	-	<b>1.14</b> 29.0	<b>2.92</b> 74.2	<b>1.45</b> 36.8	<b>2.97</b> 75.4	-
6VM2S	<b>4.65</b>	<b>4.1</b>	<b>1.14</b>	<b>3.72</b>	<b>1.45</b>	<b>3.76</b>	-
6VM4S	118.1	104.1	29.0	94.5	36.8	95.5	-
6VM4SC	<b>3.82</b> 97.0	-	<b>1.14</b> 29.0	<b>3.7</b> 94.0	<b>1.45</b> 36.8	<b>3.75</b> 95.3	-
3EXM1S	<b>4.17</b>	<b>3.62</b>	<b>1.14</b>	<b>3.22</b>	<b>1.72</b>	<b>3.28</b>	<b>3.3</b>
3EZM1S	105.9	91.9	29.0	81.8	43.7	83.8	83.8
3EXM4	<b>3.88</b>	<b>3.32</b>	<b>1.14</b>	<b>2.92</b>	<b>1.72</b>	<b>2.98</b>	<b>2.99</b>
3EZM4	98.6	84.3	29.0	74.2	43.7	75.7	75.9
3EXM4S	<b>4.65</b>	<b>4.1</b>	<b>1.14</b>	<b>3.72</b>	<b>1.72</b>	<b>3.76</b>	<b>3.8</b>
3EZM4S	118.1	104.1	29.0	94.5	43.7	95.5	96.5
5EHM1	<b>3.39</b>	<b>2.84</b>	<b>1.14</b>	<b>2.44</b>	<b>2.19</b>	<b>2.5</b>	-
5EFM1	86.1	72.1	29.0	62.0	55.6	63.5	-
5EFM1C	<b>2.56</b> 65.0	-	<b>1.14</b> 29.0	<b>2.44</b> 62.0	<b>2.19</b> 55.6	<b>2.49</b> 63.2	-
5EHM1S	<b>4.17</b>	<b>3.62</b>	<b>1.14</b>	<b>3.22</b>	<b>2.19</b>	<b>3.28</b>	-
5EFM1S	105.9	91.9	29.0	81.8	55.6	83.3	-
5EFM1SC	<b>3.34</b> 84.8	-	<b>1.14</b> 29.0	<b>3.27</b> 83.1	<b>2.19</b> 55.6	<b>3.27</b> 83.1	-
5EHM4	<b>3.88</b>	<b>3.32</b>	<b>1.14</b>	<b>2.92</b>	<b>2.19</b>	<b>2.98</b>	-
5EFM4	98.6	84.3	29.0	74.2	55.6	75.7	-
5EFM4C	<b>3.04</b> 77.2	-	<b>1.14</b> 29.0	<b>2.92</b> 74.2	<b>2.19</b> 55.6	<b>2.97</b> 74.4	-
5EHM4S	<b>4.65</b>	<b>4.1</b>	<b>1.14</b>	<b>3.7</b>	<b>2.19</b>	<b>3.76</b>	-
5EFM4S	118.1	104.1	29.0	94.0	55.6	95.5	-
5EFM4SC	<b>3.82</b> 97.0	-	<b>1.14</b> 29.0	<b>3.7</b> 94.0	<b>2.19</b> 55.6	<b>3.75</b> 95.3	-

**Slim Power Entry Module Family with Multiple Options** *(continued)*

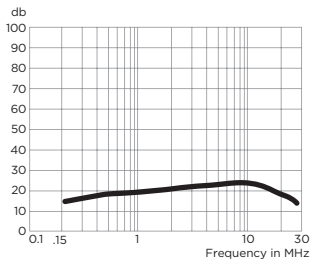
# M Series

## Performance Data

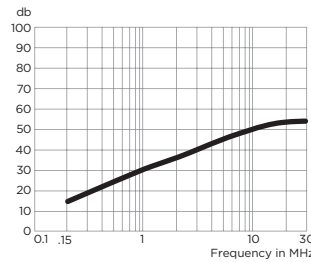
### Typical Insertion Loss

Measured in closed 50 Ohm system

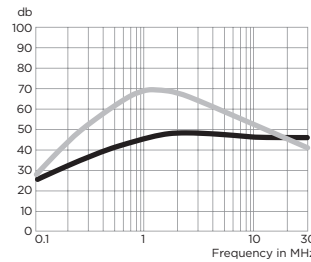
**5EHM**



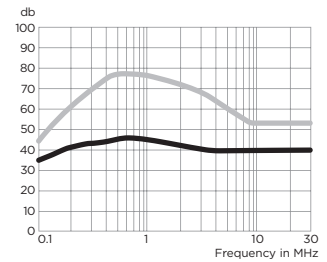
**5EFM**



**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)

Part No.	Frequency – MHz							
	.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)

Part No.	Frequency – MHz									
	.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

**SAFETY ORGANIZATION(S):**

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL RECOGNIZED                   UL 1283  
 CSA CERTIFIED                CSA 22.2, NO.0,0.4,8  
 VDE APPROVED                 VDE 565-3, 625

**OPERATING SPECIFICATIONS:**  
 LINE VOLTAGE/CURRENT:       5 AMP., 120 VAC  
                                       4 AMP., 250 VAC  
                                       4 AMP./40°C, 250 VAC  
 LINE FREQUENCY:             50-60Hz  
 MAX. LEAKAGE CURRENT, EACH  
 LINE TO GROUND             .25mA AT 120V 60Hz  
                                       .42mA AT 250V 50Hz  
 OPERATING AMBIENT TEMP. RANGE:   -10°C TO +40°C @ RATED CURRENT, I  
 IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING  
 CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE:       -40°C TO +85°C  
 HUMIDITY:                     21 DAYS @ 40°C 95% RH  
 CURRENT OVERLOAD TEST:      6 TIMES RATED CURRENT  
                                       FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE:                   .93mH NOMINAL  
 CAPACITANCE:  
 (MEASURED AT 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
 LINE TO LINE:                 .01µF ±20%  
 LINE TO GROUND:             .005µF ±20%  
 DISCHARGE RESISTOR:        1.5 MΩ  
 LINE/GROUND AND LINE/LINE   6000 MΩ (MIN)  
 INSULATION RESISTANCE      AT 100 VDC  
 (W/O DISCHARGE RESISTOR)   20°C AND 50% RH

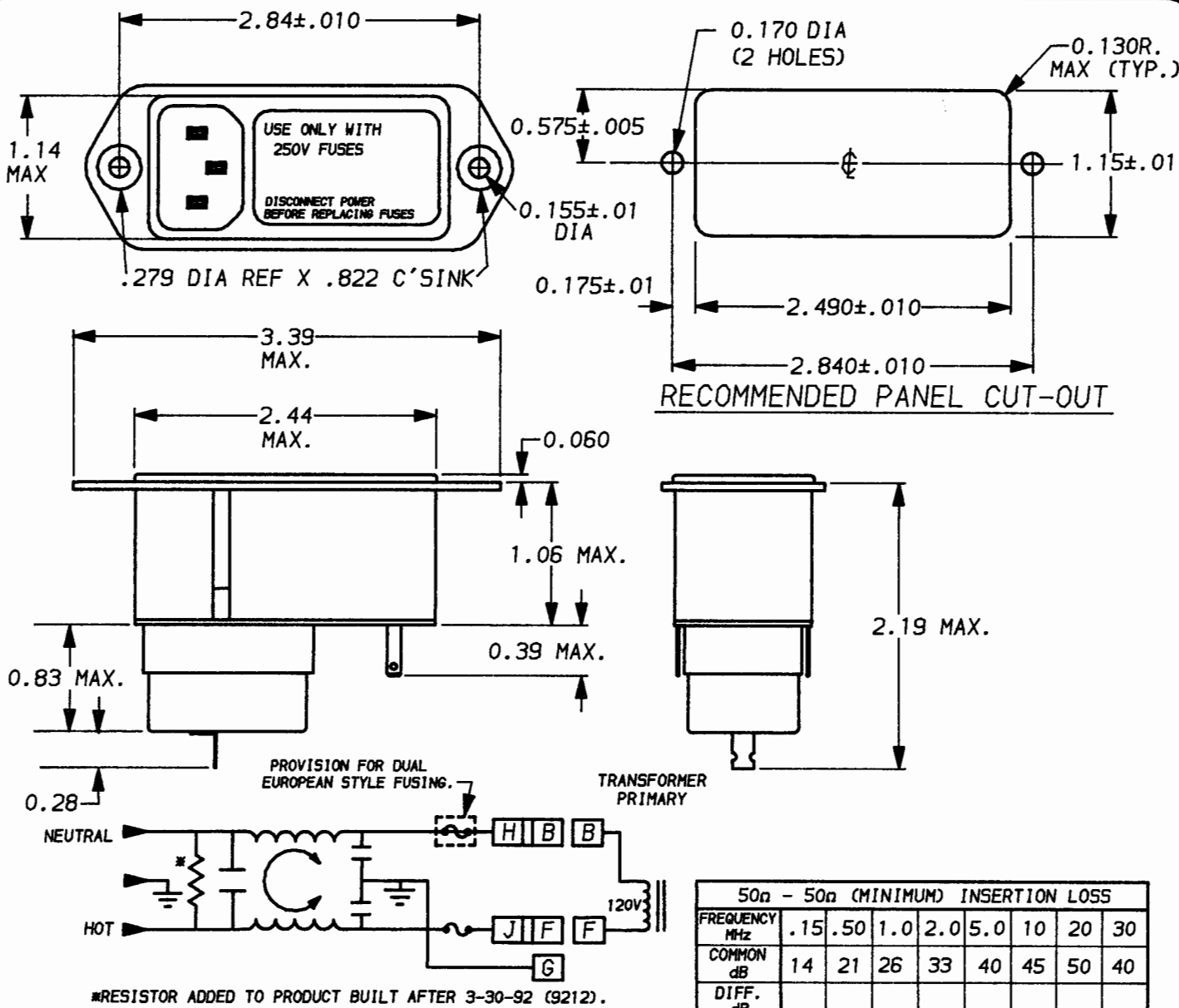
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINES TO GROUND:            1500 VAC FOR 1 MINUTE  
 LINE TO LINE:                1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

SEFM1



	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025	 LIBERTYVILLE, IL 60048 <b>POWER LINE FILTER</b>
	MATERIAL & FINISH: AS SUPPLIED	
	This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent.	
	DATE: 4-18-94	CATALOG NO. SEFM1.05
	APPROV.:	REV.:
	GAD NO.	SEFM1.05