

#### 6609116-2 Product Details



6609116-2

#### TE Internal Number: 6609116-2 🞻 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)
  HG (1-6 Amp) Series
- Medical Application
  Mount Style = Flanged

#### **Documentation & Additional Information** Product Drawings: • CUSTOMER DRAWING 3EHG1-2 (PDF, English) Additional Information: Product Line Information Catalog Pages/Data Sheets: • 1-1654250-1\_CORCOM\_EMI\_RFI\_QRG (PDF, English) Additional Product Images: Insertion Loss/Specifications • 1654001\_CORCOM\_PRODUCT\_GUIDE\_GG\_HG (PDF, English) **Related Products:** Product Specifications: Tooling 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)

| Product Features (Please use the Product Drawing for all de  | sign activity)   |  |  |  |  |
|--|--|--|--|--|--|
| Product Type Features:<br>• Product Type = Filter - EMI/RFI<br>• Filter Type = Power Entry (Filtered/Unfiltered)<br>• Series = HG (1-6 Amp)<br>• Ground Choke Option = Without | Configuration Features:<br>• Fuse Options = Dual<br>• Fuse Holder Type = Metric<br>Industry Standards:   |  |  |  |  |
| • Filtered = Yes   | <ul> <li>RoHS/ELV Compliance = RoHS compliant, ELV compliant</li> <li>Lead Free Solder Processes = Not relevant for lead free process</li> </ul> |  |  |  |  |
| Electrical Characteristics:         Ourrent Rating (A) = 3   | <ul> <li>RoHS/ELV Compliance History = Always was RoHS compliant</li> </ul>  |  |  |  |  |
| <ul> <li>Voltage ≤ (VAC) = 250</li> <li>Leakage Current (Line-to-Ground) Max. @ 120 VAC 60 Hz (μA)</li> </ul>  | <ul> <li>Approved Standards = CSA Certified, VDE Approved, UL<br/>Recognized</li> </ul>  |  |  |  |  |
| <ul> <li>= 2</li> <li>Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz (μA)</li> <li>= 5</li> </ul>   | Conditions for Usage:<br>• Facility Installation = No  |  |  |  |  |
| Termination Features:<br>• Terminal Input - Output Combination = IEC - 1/4" Faston   | <ul> <li>Need Min Size With IEC Connector = Yes</li> <li>Need Optional Switch, Fusing, Or Voltage Selector = Yes</li> </ul>                      |  |  |  |  |
| Body Features:<br>• Mount Style = Flanged  | Operation/Application:<br>• Application = Medical  |  |  |  |  |
|  | • Brand = Corcom   |  |  |  |  |



#### Smallest Power Entry Module with Metric Fuse Holders

# **GG & HG Series**



UL Recognized CSA Certified VDE Approved



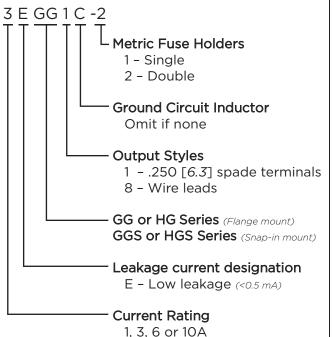
#### **GG Series**

- 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**



## **Specifications**

| Maximum leakage current each Line to Ground: |                  |                  |  |  |  |  |  |
|--|------------------|------------------|--|--|--|--|--|
|  | <u>HG Models</u> | <u>GG Models</u> |  |  |  |  |  |
| @ 120 VAC 60 Hz:                             | 2 μΑ             | .25 mA           |  |  |  |  |  |
| @250 VAC 50 Hz:                              | 5 μΑ             | .42 mA           |  |  |  |  |  |
| Hipot rating (one minute                     | ):               |                  |  |  |  |  |  |
| Line to Ground:                              |                  | 2250 VDC         |  |  |  |  |  |
| Line to Line:                                |                  | 1450 VDC         |  |  |  |  |  |
| Rated Voltage (max.):                        |                  | 250 VAC          |  |  |  |  |  |
| <b>Operating Frequency:</b>                  |                  | 50/60 Hz         |  |  |  |  |  |
| Rated Current:                               |                  | 1 to 10A         |  |  |  |  |  |
| Required Fuse(s):                            |                  | 5 x 20mm         |  |  |  |  |  |
| -  | (                | (not included)   |  |  |  |  |  |

#### **Available Part Numbers**

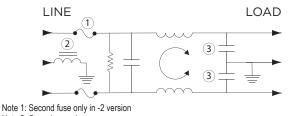
| Filtered modules                              |          |          |           |  |  |  |  |
|---|----------|----------|-----------|--|--|--|--|
| 1EGG1-1                                       | 3EGG1-1  | 6EGG1-1  | 10EGG1-1  |  |  |  |  |
| 1EGG1-2                                       | 3EGG1-2  | 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                                      |          |          |           |  |  |  |  |
| 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 |  |  |  |  |



#### Smallest Power Entry Module with Metric Fuse Holders (continued)

# **GG & HG Series**

## **Electrical Schematic**

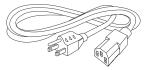


Note 2: C versions only Note 3: Not present in HG versions

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

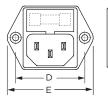
## Accessories

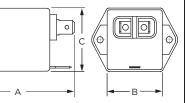
GA400: NEMA 5-15P to IEC 60320-1 C-13 line cord



# **Case Styles**

#### **GG1, GG1C & HG1**





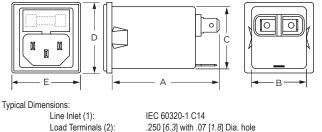
.132 [3.35] Dia. with .236 [5.99] Dia. x 90°

Typical Dimensions: Mounting holes (2):

Line Inlet (1):

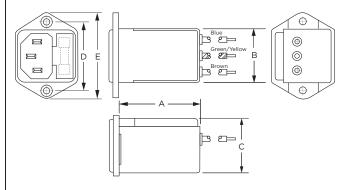
countersink for #4 flathead screw IEC 60320-1 C14 Load Terminals (2): .250 [6.3] with .07 [1.8] Dia. hole Ground Terminal (1): .250 [6.3] with .07 x .16 [1.8 x 3.8] slot

#### **GS1 & HGS1**



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

### **GG8 & HG8**



Typical Dimensions:

Mounting holes (2): Line Inlet (1): Wire Leads

.132 [3.35] Dia. with .236 [5.99] Dia. x 90° countersink for #4 flathead screw IEC 60320-1 C14 5.0 [127.0] Min., 18AWG, UL1015

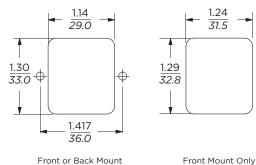
## **Case Dimensions**

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

\*max. dimension

#### **Recommended Panel Cutouts** GG / HG

GS / HGS



Front Mount Only

GS / HGS panel thickness: 0.032 - 0.080 [0.81 - 2.03] Corner radius: 0.138 [0.35]

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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Typical Dimensions:

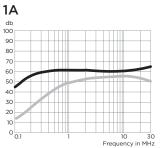


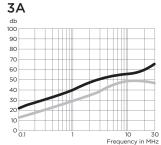
# **GG & HG Series**

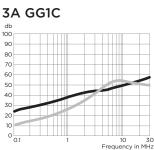
#### **Performance Data**

Typical Insertion Loss Measured in closed 50 Ohm system

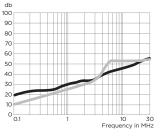
#### GG & GS Models

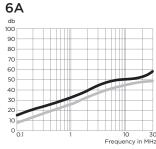


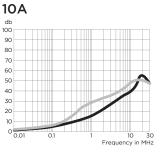




# 6A GG1C

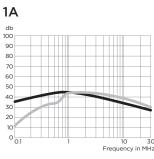


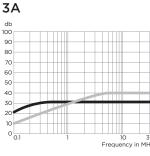


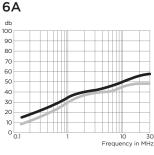














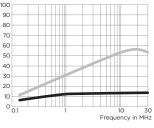
80

70

60

40

30



Minimum Insertion Loss Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Differential Mode / Symmetrical (Line to Line)

|                  |                 |     |     |     |    | eio | GIUU | Differential Mode / Symmetrical (Liffe to Liffe) |    |                           |                 |  |  |  |
|------------------|-----------------|-----|-----|-----|----|-----|------|--|----|---------------------------|-----------------|--|--|--|
| Current          | Frequency – MHz |     |     |     |    |     |      |  |    | Current Frequency – MHz   | Frequency – MHz |  |  |  |
| Rating           | .01             | .05 | .10 | .15 | .5 | 1   | 5    | 10   | 30 | Rating .10 .15 .5 1 3 5 1 | 0 30            |  |  |  |
| GG & GS Mo       | odels           |     |     |     |    |     |      |  |    | GG & GS Models            |                 |  |  |  |
| 1A               | 12              | 23  | 29  | 32  | 41 | 47  | 50   | 50   | 55 | 1A 1 3 14 23 41 47 5      | 0 44            |  |  |  |
| ЗA               | -               | 10  | 15  | 19  | 30 | 36  | 48   | 50   | 53 | 3A 1 2 11 14 25 38 4      | 4 40            |  |  |  |
| 6A               | -               | 1   | 4   | 10  | 16 | 22  | 36   | 40   | 50 | 6A 1 2 10 13 23 33 3      | 9 42            |  |  |  |
| 10A              | -               | 1   | 2   | 4   | 6  | 8   | 26   | 33   | 28 | 10A 4 7 17 23 - 22 4      | 3 38            |  |  |  |
| <b>HG Models</b> |                 |     |     |     |    |     |      |  |    | HG Models                 |                 |  |  |  |
| 1A               | 12              | 23  | 29  | 32  | 40 | 40  | 28   | 22   | 18 | 1A 2 6 19 26 30 35 3      | 5 20            |  |  |  |
| ЗA               | -               | 10  | 15  | 19  | 25 | 26  | 22   | 21   | 21 | 3A 1 7 16 23 30 30 3      | 0 30            |  |  |  |
| 6A               | -               | 4   | 10  | 14  | 18 | 18  | 14   | 14   | 14 | 6A 4 7 16 23 30 30 3      | 0 30            |  |  |  |
| 10A              | 1               | -   | -   | 3   | 5  | 6   | 8    | 9  | 10 | 10A - 8 16 22 - 37 4      | 3 28            |  |  |  |

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