

Smallest Filtered Power Entry Modules with Metric Fuseholders

GG/HG Series



UL Recognized CSA Certified VDE Approved



GG Series

The GG series power entry modules combine the functions of a general purpose RFI filter with an IEC power cord connector and single or dual metric fusing, in the smallest possible panel space. A choice of .250" terminals or wire leads is available for the load-side terminations.

For maximum cost effectiveness, 6 amp models should be used for all applications rated 6 amps or less, unless the higher performance of the 3 amp models, or the much higher performance of the 1 amp models, is needed.

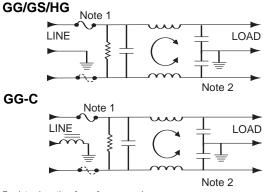
Models with C-suffix additionally incorporate a ground choke¹ to isolate the equipment chassis from external ground at RF frequencies.

HG Series

A medical version of our GG series, these filters offer the same compact design but reduce the line-to-ground capacitance in order to meet UL 2601 patient care requirements. For more information on UL2601 specification, see Appendix C.

Note: When using the models with an IEC connector, remember that the leakage current of the companion line cord, GA400, is more significant than that of the filter which may disqualify this line cord from use in patient care applications.

Electrical Schematics



Resistor location for reference only. Note 1: Depicts single fuse for -1 models.

Note 2: For HG delete line-to-ground capacitors.

CAUTION: DO NOT ATTEMPT TO OPERATE A SINGLE-FUSED MODEL WITHOUT THE **FUSE DOOR IN PLACE!**

Specifications

Maximum leakage current, each line-to-ground

| | 110 11100015 | CC WIGGOIS |
|----------------------------|--------------|-------------|
| @ 120 VAC 60 Hz: | 2μΑ | .25 mA |
| @ 250 VAC 50 Hz: | 5μΑ | .42 mA |
| Hipot rating (one minute): | | |
| line-to-ground | | 1550 VAC |
| line-to-line | | 1450 VDC |
| Operating frequency: | | 50/60 Hz |
| Rated voltage (max.): | | 250 VAC |
| Fuse (not included): | Accepts one | 5x20mm fuse |

(-1 models) or two 5 x 20 mm

HG Models

fuses (-2 models)

GG Models

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

| Current | | | | Fre | equer | ncy-M | Hz | | |
|----------------|--------|-----|-----|-----|-------|-------|----|----|----|
| Rating | .01 | .05 | .10 | .15 | .5 | 1 | 5 | 10 | 30 |
| GG/GS N | /lodel | s | | | | | | | |
| 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 |
| HG Mode | els | | | | | | | | |
| 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 |

Line-to-line in 50 ohm circuit

| Current | | | Fre | equer | ncy-M | Hz | | |
|------------------|-----|-----|-----|-------|-------|----|----|----|
| Rating | .01 | .15 | .5 | 1 | 3 | 5 | 10 | 30 |
| GG/GS Mod | els | | | | | | | |
| 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 |
| HG Models | | | | | | | | |
| 1A | 1 | 3 | 26 | 35 | 35 | 35 | 27 | 20 |
| 3A | 1 | 2 | 30 | 30 | 30 | 30 | 30 | 30 |
| 6A | 1 | 2 | 30 | 30 | 30 | 30 | 30 | 30 |

Catalog 1654001

Revised 05-07

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

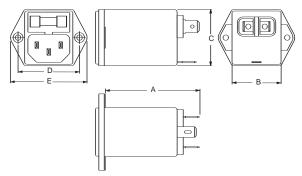
www.corcom.com www.tycoelectronics.com



Smallest Filtered Power Entry Modules with Metric Fuseholders (Continued)

GG/HG Series

Case Styles GG1/HG1



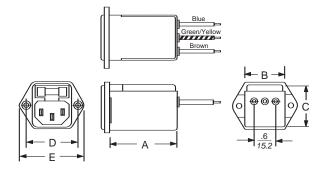
Typical dimensions:

Terminals: .250 [*6.35*] (3)

Holes: .07 [1.8] Dia.

Mounting Holes: .126 [3.20] Dia. (2)

GG8

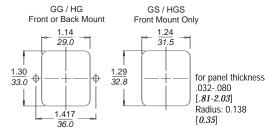


Typical dimensions:

Wire leads: 5.0 [127.0] Min. 18 AWG Mounting Holes: .126 [3.20] Dia. (2)

EGS D C B B B

Recommended Panel Cutouts



Case Dimensions

| | Α | В | С | D | E |
|-------------------|-------|-------|-------|-----------------|-------|
| Part No. | (max) | (max) | (max) | ± .015 ± .38 | (max) |
| EGG1-1/EGG1-2/ | 2.15 | 1.13 | 1.29 | 1.417 | 1.76 |
| EHG1-2 | 54.5 | 28.7 | 32.8 | 36.0 | 44.7 |
| EGG8-1/EGG8-2 | 2.02 | 1.13 | 1.29 | 1.417 | 1.76 |
| EGG8C-1/EGG8C-2 | 51.1 | 28.7 | 32.8 | 36.0 | 44.7 |
| EGS1-1/EGS1-2 | 2.13 | 1.13 | 1.28 | 1.46* | 1.42 |
| EHGS1-2 | 54.0 | 28.7 | 32.5 | 36.0 | 36.1 |
| EGG1C-1-1/EGG1C-2 | 2.45 | 1.13 | 1.28 | 1.46* | 1.42 |
| | 62.23 | 28.7 | 32.5 | 36.0 | 36.1 |

*max

| Part Number¹ | RFI Filter Type ² | Current Rating ³ | Metric Fuseholders | Load Side Terminations |
|--------------|------------------------------|-----------------------------|--------------------|---------------------------|
| 1EGG1-1 | General Purpose ² | 1 | 1 | .250 [6.35] Terminals (3) |
| 1EGG1-2 | General Purpose | 1 | 2 | .250 [6.35] Terminals (3) |
| 1EGG8-1 | General Purpose | 1 | 1 | 5.0 [127.0] Wire Leads |
| 1EGG8-2 | General Purpose | 1 | 2 | 5.0 [127.0] Wire Leads |
| 1EGS1-1 | General Purpose | 1 | 1 | .250 [6.35] Terminals (3) |
| 1EGS1-2 | General Purpose | 1 | 2 | .250 [6.35] Terminals (3) |
| 3EGG1-1 | General Purpose | 3 | 1 | .250 [6.35] Terminals (3) |
| 3EGG1-2 | General Purpose | 3 | 2 | .250 [6.35] Terminals (3) |
| 3EGG8-1 | General Purpose | 3 | 1 | 5.0 [127.0] Wire Leads |
| 3EGG8-2 | General Purpose | 3 | 2 | 5.0 [127.0] Wire Leads |
| 3EGS1-1 | General Purpose | 3 | 1 | .250 [6.35] Terminals (3) |
| 3EGS1-2 | General Purpose | 3 | 2 | .250 [6.35] Terminals (3) |
| 6EGG1-1 | General Purpose | 6 | 1 | .250 [6.35] Terminals (3) |
| 6EGG1-2 | General Purpose | 6 | 2 | .250 [6.35] Terminals (3) |
| 6EGG8-1 | General Purpose | 6 | 1 | 5.0 [127.0] Wire Leads |
| 6EGG8-2 | General Purpose | 6 | 2 | 5.0 [127.0] Wire Leads |
| 6EGS1-1 | General Purpose | 6 | 1 | .250 [6.35] Terminals (3) |
| 6EGS1-2 | General Purpose | 6 | 2 | .250 [6.35] Terminals (3) |
| 1EHG1-2 | Medical | 1 | 2 | .250 [6.35] Terminals (3) |
| 3EHG1-2 | Medical | 3 | 2 | .250 [6.35] Terminals (3) |
| 6EHG1-2 | Medical | 6 | 2 | .250 [6.35] Terminals (3) |
| 1EHGS1-2 | Medical | 1 | 2 | .250 [6.35] Terminals (3) |
| 3EHGS1-2 | Medical | 3 | 2 | .250 [6.35] Terminals (3) |
| 6EHGS1-2 | Medical | 6 | 2 | .250 [6.35] Terminals (3) |

¹ Ground choke available on general purpose models. Add suffix "C" (1EGG1C-1). Does not include EGS models.

² General purpose filter for susceptibility applications. ³ Current rating @120 VAC and 250 VAC.