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GG/HG Series


HG1/GG1


GG8

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.

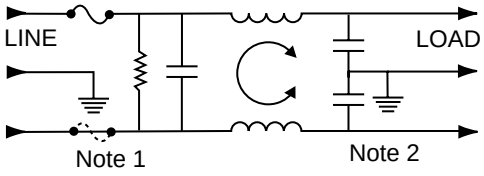
Models with C-suffix additionally incorporate a ground choke[1] to isolate the equipment chassis from external ground at RF frequencies.

HG Series

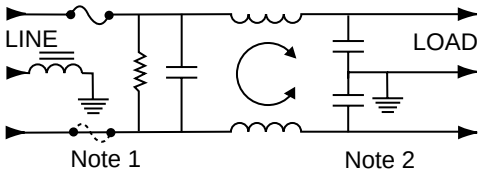
A medical version of our GG series, these filters offer the same compact design but reduce the line-to-ground capacitance in order to meet UL 2601 patient care requirements.

Electrical Schematics

GG/GS/HG



GG-C



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

	HG Models	GG Models
@ 120 VAC 60 Hz:	2µA	.25 mA
@ 250 VAC 50 Hz:	5µA	.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 fuses (-2 models)

Terminals: .250 [*6.35mm*] terminals (G1)
5" wire leads (EGG8)

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

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
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

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz .01	.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
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 03-04

Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents.

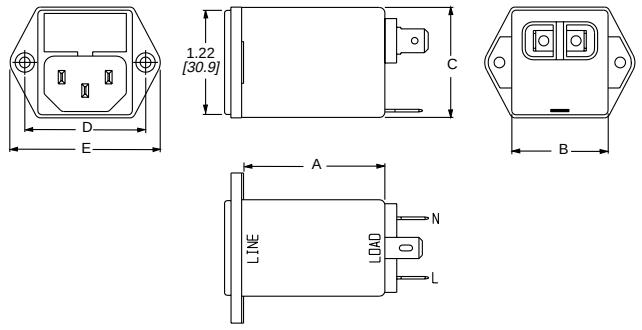
Dimensions are shown for reference purposes only. Specifications subject to change.

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GG/HG Series

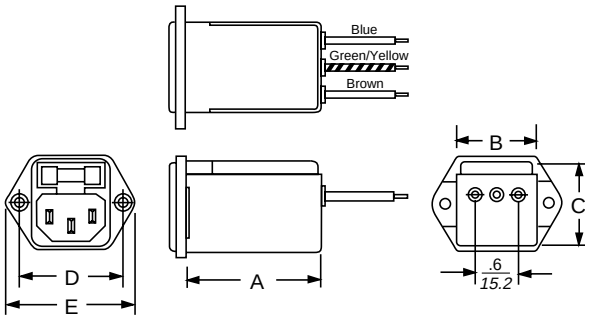
Case Styles

GG1/HG1



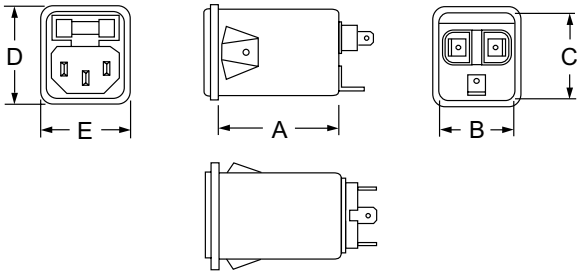
Typical dimensions:
Terminals: .250 [*6.35*] (3) Holes: .07 [*1.8*] Dia.
Mounting Holes: .126 [*3.20*] Dia. (2)

GG8



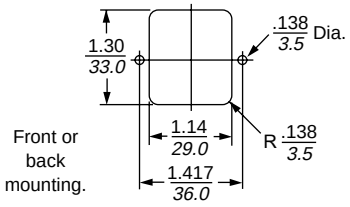
Typical dimensions:
Wire leads: 5.0 [*127.0*] Min. 18 AWG Mounting Holes: .126 [*3.20*] Dia. (2)

EGS

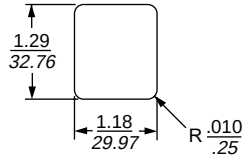


Recommended Panel Cutout

GG/HG



Snap-In Version (EGS)



for panel thickness
.032-.080 [*.81-2.03*]

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
EGG1-1/EGG1-2/ EHG1-2	**1.66** *42.2*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*
EGG8-1/EGG8-2	**2.02** *51.1*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*
EGG1C-1/EGG1C-2	**2.02** *62.2*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*
EGG8C-1/EGG8C-2	**2.02** *51.1*	**1.13** *28.7*	**1.29** *32.8*	**1.417** *36.0*	**1.76** *44.7*
EGS1-1/EGS1-2	**1.50** *38.1*	**1.13** *28.7*	**1.29** *32.5*	**1.46** *36.0*	**1.42** *36.1*

**HG 1-2 models same as GG 1-2.*

Part Number	RFI Filter Type	Current Rating[3]	Metric Fuseholders	Load Side Terminations
1EGG1-1	General Purpose[2]	1	1	Terminals
1EGG1-2	General Purpose	1	2	Terminals
1EGG8-1	General Purpose	1	1	Wire Leads
1EGG8-2	General Purpose	1	2	Wire Leads
1EGS1-1	General Purpose	1	1	Terminals
1EGS1-2	General Purpose	1	2	Terminals
3EGG1-1	General Purpose	3	1	Terminals
3EGG1-2	General Purpose	3	2	Terminals
3EGG8-1	General Purpose	3	1	Wire Leads
3EGG8-2	General Purpose	3	2	Wire Leads
3EGS1-1	General Purpose	3	1	Terminals
3EGS1-2	General Purpose	3	2	Terminals
6EGG1-1	General Purpose	6	1	Terminals
6EGG1-2	General Purpose	6	2	Terminals
6EGG8-1	General Purpose	6	1	Wire Leads
6EGG8-2	General Purpose	6	2	Wire Leads
6EGS1-1	General Purpose	6	1	Terminals
6EGS1-2	General Purpose	6	2	Terminals
1EHG1-2	Medical	1	2	Terminals
3EHG1-2	Medical	3	2	Terminals
6EHG1-2	Medical	6	2	Terminals

[1] Ground choke available on general purpose models. Add suffix (1EGG1C-1). Does not include EGS models.
[2] General purpose filter for susceptibility applications. [3] Current rating @120 VAC and 250 VAC.

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