

GG/HG Series

**Smallest Filtered
Power Entry Modules
with Metric Fuseholders**



**UL Recognized
CSA Certified
VDE Approved
SEV on 3 & 6 EGG1 - 1 & 2
3 & 6 EGG1C - 1 & 2**



GG8



HG1/GG1

GG Series

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.

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
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
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
1EHG1-2	Medical	1	2	Terminals
3EHG1-2	Medical	3	2	Terminals
6EHG1-2	Medical	6	2	Terminals

¹ Ground choke available on all general purpose models. Add suffix (1EGG1C-1).

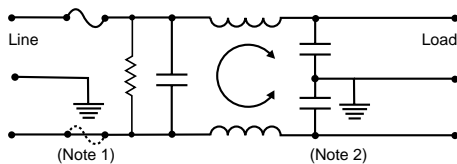
³ Current rating @ 120 VAC and 250 VAC.

² General purpose filter for susceptibility applications.

* GC models only.

Electrical Schematics

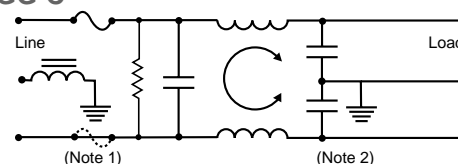
HG/GG



Note 1: Depicts single fuse for -1 models.

Note 2: For HG delete line-to-ground capacitors. Resistor location for reference only.

GG-C



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



Series GG/HG

Specifications

Maximum leakage current, each	HG	GG
line-to-ground @120 VAC 60Hz	2µA	.25mA
@250 VAC 50Hz	5µA	.42mA
Hipot rating (one minute):		
line-to-ground	1550 VAC	
line-to-line	1450 VDC	
Operating frequency:	50/60 Hz	
Rated voltage:	120/250 VAC	
Fuse (not included):	Accepts one 5 x 20mm fuse (-1 models) or two 5 x 20mm 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

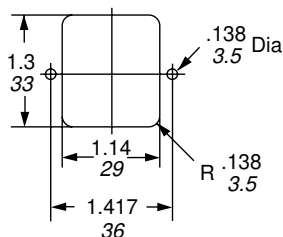
Current Rating	Frequency-MHz								
	.01	.05	.10	.15	.5	1	5	10	30
GG Models									
1A	12	23	29	32	41	47	50	50	55
3A	-	10	15	19	30	36	48	50	53
6A	-	1	4	10	16	22	36	40	50
HG Models									
1A	12	23	29	32	40	40	28	22	18
3A	-	10	15	19	25	26	22	21	21
6A	-	4	10	14	18	18	14	14	14

Line-to-line in 50 ohm circuit

Current Rating	Frequency-MHz							
	.01	.15	.5	1	3	5	10	30
GG 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

Recommended Panel Cutout

Front or back mounting. Metric shown in italics.



Case Dimensions

Metric shown in italics.

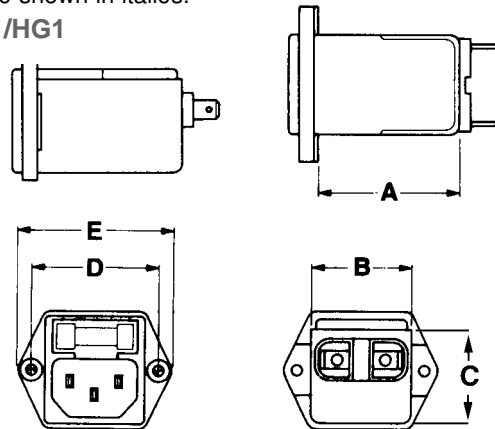
Part No.	A (max)	B (max)	C (max)	D ± .015 ± .38	E
EGG1-1/EGG1-2	1.66 42.2	1.13 28.7	1.29 32.8	1.417 33.3	1.76 44.7
EGG8-1/EGG8-2	2.02 51.1	1.13 28.7	1.29 32.8	1.417 33.3	1.76 44.7
EGG1C-1/EGG1C-2	2.02 62.2	1.13 28.7	1.29 32.8	1.417 33.3	1.76 44.7
EGG8C-1/EGG8C-2	2.02 51.1	1.13 28.7	1.29 32.8	1.417 33.3	1.76 44.7

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

Case Styles

Metric shown in italics.

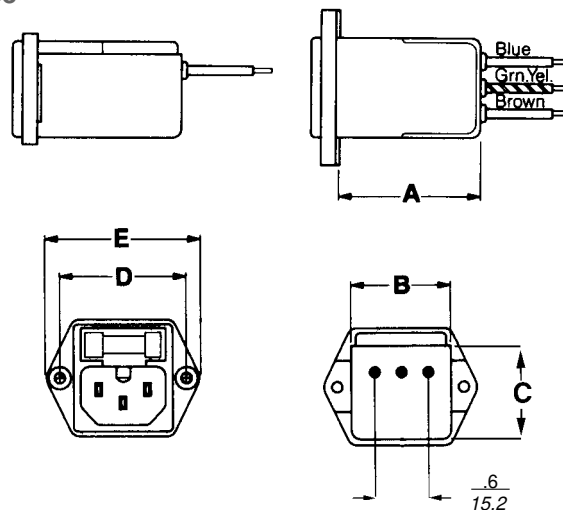
GG1/HG1



Typical dimensions

Terminals: $\frac{.250}{6.35}$ (3) Holes: $\frac{.07}{1.8}$ Dia. Mounting holes: $\frac{.126}{3.20}$ Dia. (2)

GG8



Typical dimensions

Wire leads: $\frac{5.0}{127}$ Min.

Mounting holes: $\frac{.126}{3.20}$ Dia. (2)