



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.

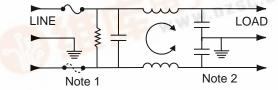
Models with C-suffix additionally incorporate a ground choke¹ to isolate the equipment chassis from external ground at RF frequencies.

HG Series

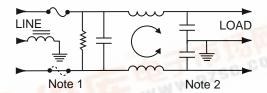
A medical version of our GG series, these filters offer the same compact design but reduce the line-to-ground capacitance in order to meet UL 2601 patient care requirements.

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

	<u>HG Models</u>	GG Models
@ 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 ! (-1 models) or tw fuse	

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

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz								
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

Germany:

	Frequency-MHz						
.01	.15	.5	1	3	5	10	30
els							
1	3	14	23	41	47	50	44
1	2	11	14	25	38	44	40
1	2	10	13	23	33	39	42
1	3	26	35	35	35	27	20
1	2	30	30	30	30	30	30
1	2	30	30	30	30	30	30
		els 1 3 1 2 1 2 1 3	.01 .15 .5 els 1 3 14 1 2 11 1 2 10 1 3 26 1 2 30	.01 .15 .5 1 els 1 3 14 23 1 2 11 14 1 2 10 13 1 3 26 35 1 2 30 30	.01 .15 .5 1 3 els 1 3 14 23 41 1 2 11 14 25 1 2 10 13 23 1 3 26 35 35 1 2 30 30 30	.01 .15 .5 1 3 5 els 1 3 14 23 41 47 1 2 11 14 25 38 1 2 10 13 23 33 1 3 26 35 35 35 1 2 30 30 30 30	.01 .15 .5 1 3 5 10 els 1 3 14 23 41 47 50 1 2 11 14 25 38 44 1 2 10 13 23 33 39 1 3 26 35 35 35 27 1 2 30 30 30 30 30



USA Cust. Svc.: 1-800-468-2023 CORCOM Prods: 1-847-680-7400 1-508-992-4495

49-89-6089-0

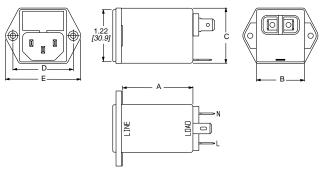
www.cor.com www.tycoelectronics.com



Smallest Filtered Power Entry Modules with Metric Fuseholders (Continued)

GG/HG Series

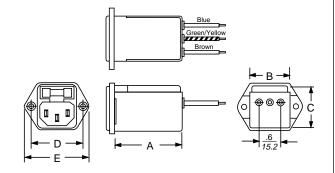
Case Styles GG1/HG1



Typical dimensions:

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

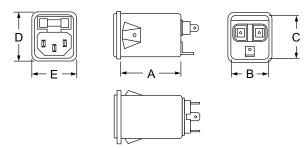
GG8



Typical dimensions:

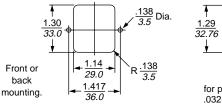
Wire leads: 5.0 [127.0] Min. 18 AWG Mounting Holes: .126 [3.20] Dia. (2)

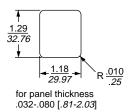
EGS



Recommended Panel Cutout

GG/HG Snap-In Version (EGS)





Case Dimensions

	Α	В	С	D	Е
Part No.	(max)	(max)	(max)	± .015 ± .38	(max)
EGG1-1/EGG1-2/	1.66	1.13	1.29	1.417	1.76
EHG1-2	42.2	28.7	32.8	36.0	44.7
EGG8-1/EGG8-2	2.02	1.13	1.29	1.417	1.76
	51.1	28.7	32.8	36.0	44.7
EGG1C-1/EGG1C-2	2.02	1.13	1.29	1.417	1.76
20010 1/20010 2	62.2	28.7	32.8	36.0	44.7
EGG8C-1/EGG8C-2	2.02	1.13	1.29	1.417	1.76
1/2000 1/20000 2	51.1	28.7	32.8	36.0	44.7
EGS1-1/EGS1-2	1.50	1.13	1.29	1.46	1.42
2001 1/2001 2	38.1	28.7	32.5	36.0	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.