High Performance RFI Filters for Switching Power Supplies

G Series



UL Recognized
CSA Certified
VDE Approved

G Series

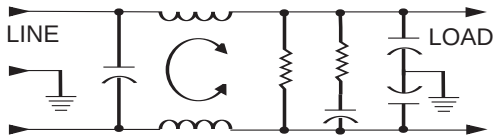
The G series RFI filters are designed to provide excellent common-mode and differential-mode attenuation for most digital electronic equipment (particularly switching power supplies) over the frequency range of 20kHz to 30MHz.

These filters are a size- and cost-effective solution for equipment that must meet the conducted emission limits of EN55022 Level A requirements, as well as FCC Part 15J, Class B.

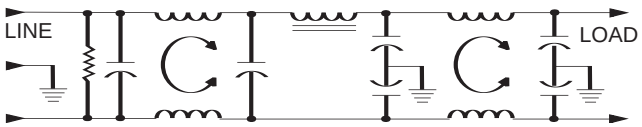
The EG models also meet the very low leakage current requirements for VDE portable equipment as well as (120 volt) UL 544 non-patient medical equipment.

Electrical Schematics

6EG & 6VG Models



10EG & 10VG Models



Resistor location for reference only.

Specifications

Maximum leakage current,each line-to-ground

	EG Models	VG Models
@ 120 VAC 60 Hz:	.30 mA	1.2 mA
@ 250 VAC 50 Hz:	.50 mA	2.0 mA

Hipot rating (one minute):

line-to-ground	2250 VDC
line-to-line	1450 VDC

Operating frequency: 50/60 Hz

Rated voltage (max.): 250 VAC

Rated current:

6EG1/6VG1	6A
10EG1/10VG1	10A

Minimum insertion loss in dB:

Line-to-ground in 50 ohm circuit

Current	Frequency-MHz									
Rating	.01	.05	.07	.1	.15	.5	1	5	10	30
EG1										
6A	6	19	23	25	29	48	44	43	40	40
10A	8	10	15	18	42	64	65	65	60	60
VG1										
6A	4	18	21	25	30	56	55	53	45	45
10A	5	10	24	37	50	72	70	70	60	60

Line-to-line in 50 ohm circuit

Current	Frequency-MHz									
Rating	.01	.05	.07	.1	.15	.5	1	5	10	30
EG1										
6A	4	6	10	24	37	66	75	72	50	50
10A	5	5	5	26	40	65	65	60	70	70
VG1										
6A	4	7	7	26	39	67	75	68	55	55
10A	5	5	7	26	39	65	60	60	70	70

Catalog 1654001
Revised 05-07

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.

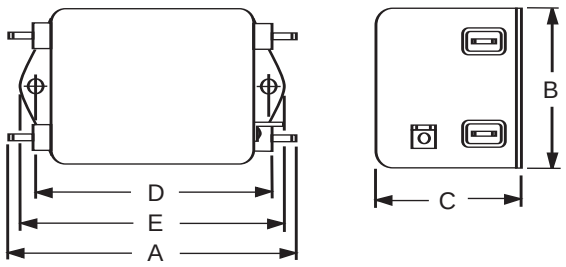
USA Cust. Svc.: 1-800-468-2023
CORCOM Prods: 1-847-680-7400
Germany: 49-89-6089-0

www.corcom.com
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G Series

Case Style

EG1 & VG1



Typical dimensions:
Terminals: .250 [*6.35*] (5) Holes: .07 [*1.8*] Dia.(4) Slot: .07 x .16 [*1.8 x 4.1*]
Mounting holes: .188 [*4.78*] Dia. (2)

Case Dimensions

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
6EG1/VG1	**3.56**	**2.15**	**1.56**	**2.938**	**3.38**
	90.4	*54.6*	*39.6*	*74.63*	*85.8*
10EG1/VG1	**4.69**	**2.27**	**1.8**	**4.063**	**4.47**
	119.1	*57.7*	*45.7*	*103.2*	*113.5*

Part Numbers

6EG1 10EG1	6VG1 10VG1

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