

## High Performance RFI Filters for Switching Power Supplies

## **G** Series



UL Recognized CSA Certified VDE Approved



## **G** Series

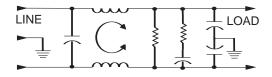
The G series RFI filters are designed to provide excellent common-mode and differential-mode attenuation for most digital electronic equipment (particularly switching power supplies) over the frequency range of 20kHz to 30MHz.

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.

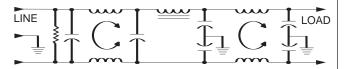
The EG models also meet the very low leakage current requirements for VDE portable equipment as well as (120 volt) UL 544 non-patient medical equipment.

## **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				Fre	quen	cy-M	Hz			
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
IUA	5	10	24	3/	50	72	70	70	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

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

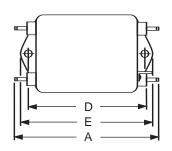


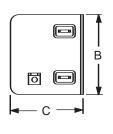
## High Performance RFI Filters for Switching Power Supplies (Continued)

# **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**

	Α	В	С	D	Е
Part No.	(max)	(max)	(max)	± .015 ± .38	(max)
6EG1/VG1	3.56	2.15	1.56	2.938	3.38
02017101	90.4	54.6	39.6	74.63	85.8
10EG1/VG1	4.69	2.27	1.8	4.063	4.47
10201/001	119.1	57.7	45.7	103.2	113.5

## **Part Numbers**

6EG1	6VG1
10EG1	10VG1