G Series

UL Recognized
CSA Certified
VDE Approved



G Series

- Designed to provide excellent attenuation for most digital electronics equipment
- Broad frequency range of performance from 20kHz to 30MHz
- Size and cost-effective solution
- Designed to help comply with EN55022 Level A and FCC Part 15J Class B

Ordering Information

10 E G 1

- 1 – Input / Output Style: 1 – .250 [6.3] spade terminals
- G – G Series
- E – Leakage current designation: E – Low leakage *(<0.5 mA)*, V – Standard
- 10 – Current Rating: 6 or 10A

Available Part Numbers

6EG1	6VG1
10EG1	10VG1

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

Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

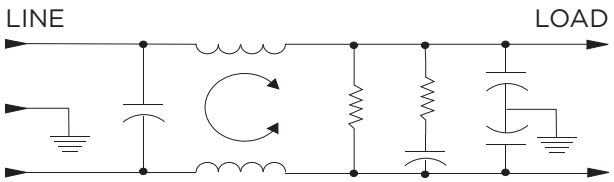
Rated Current: 6 & 10A

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C

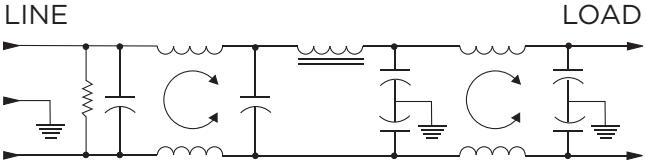
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematics

6EG1 & 6VG1



10EG1 & 10VG1

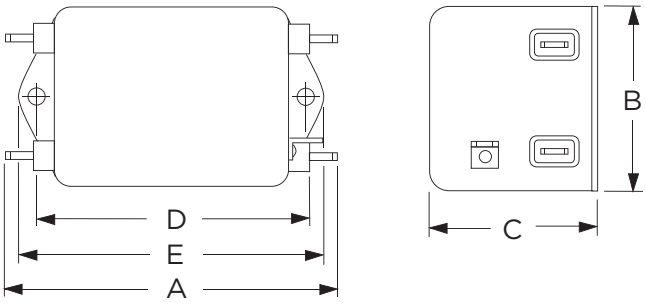


Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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G Series

Case Styles



Typical Dimensions:

Line/Load Terminals (4):	.250 [*6.3*] with .07 [*1.8*] Dia. hole
Ground Terminal (1):	.250 [*6.3*] with .07 x .16 [*1.8 x 3.8*] slot
Mounting Holes (2):	.188 [4.78] Dia.

Case Dimensions

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

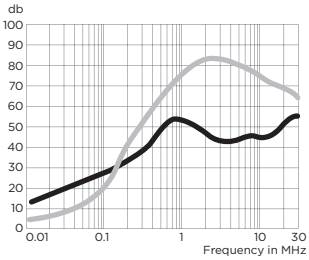
Performance Data

Typical Insertion Loss

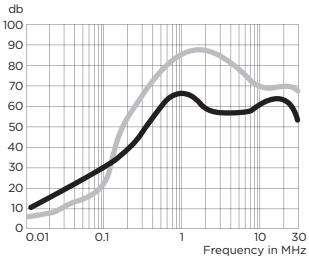
Measured in closed 50 Ohm system

Common Mode / Asymmetrical (L-G)
Differential Mode / Symmetrical (L-L)

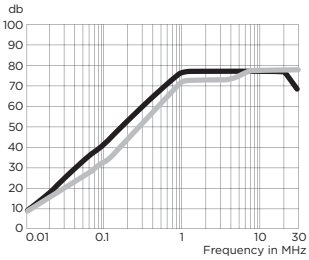
6EG1



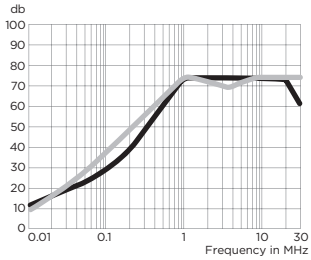
6VG1



10EG1



10VG1



Minimum Insertion Loss

Common Mode / Asymmetrical (Line to Ground)

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

Differential Mode / Symmetrical (Line to Line)

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

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