



GE SERIES

# HIGH PERFORMANCE IEC CONNECTOR FILTERS



## INTRODUCTIONS

1. A high performance general purpose filter with an IEC connector providing effective EMI suppression.
2. Bleeder resistor can be added with suffix "-R" on part numbers, except "G3H", "G3V", "W3V", "G3J", "W3J", types.
3. All part numbers are UL recognized, CAS certified and VDE approved.
4. With optional Y-Cap from 100pF to 3300pF.

## COMPONENTS

PART NO.	Cx (uF)	L (mH)	Cy (pF)	R (Ω)	
01GEEG3E/W3E/-R	0.1	6.5	2200	1M	
01GEEG3H/G3V/W3V		3	3300	-	
01GEEG3S/-R		10.5			
03GEEG3E/W3E/W3ES/-R		2.5	2.2	2200	1M
03GEEG3U/-R					
•03GEEW3ES/-R		3.3	3.3	-	-
03GEEG3H/G3V/W3V					
03GEEG3S/-R		4	4	-	1M
•03GEEG3Q/W3Q-R					
03GEEW3J		2.4	2.2	-	-
03GEHG3J					
06GEEG3E/W3E/W3ES/-R		0.8	0.8	-	1M
06GEEG3U/-R					
06GEEG3H/G3V/W3V		1.05	1.05	3300	-
06GEEG3S/-R					
••06GEEG3Q/W3Q-R		1.5	1.5	-	-
•••10GEEG3C/W3C/-R					
10GEEG3E/W3E/W3ES/-R		0.2	0.2	2200	1M
10GEEG3S/-R					
*10GEEG3Q/W3Q-R		0.3	0.3	-	-
10GEEG3U/-R					
**15GEEG3E/W3E/-R	0.2	0.2	-	-	
***20GEEG3E/W3E/-R					
***20GEEG3E/W3E/-R	0.3	0.3	-	-	

- UL, CSA approved to 4A 115/250V
- UL, CSA approved to 8A 115/250V
- VDE approved to 8A/250V
- \* UL, CSA approved to 13A 115/250V
- \*\* VDE approved to 10A/250V
- \*\*\* VDE approved to 16A/250V

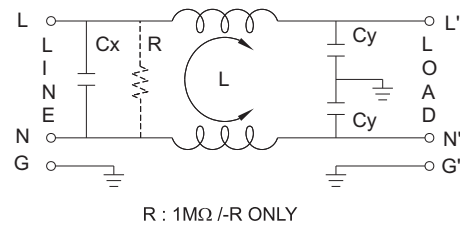
## MINIMUM INSERTION LOSS IN dB

CURRENT RATING	COMMON MODE (L-G) IN 50 OHM SYSTEM					
	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
1A(E)(S)	28	35	38	38	40	40
1A(H)	26	36	44	54	55	55
1A(G3V)	24	35	42	50	55	55
1A(W3V)	24	35	42	50	55	55
3A(E)(S)(Q)	20	25	30	38	40	40
3A(H)	24	30	38	50	55	40
3A(G3J,W3J)	20	25	30	38	40	40
3A(G3V)(W3V)	20	29	36	48	46	50
6A(E)(S)	12	18	24	35	40	40
6A(H)	15	25	28	35	45	45
6A(Q)	15	20	24	35	40	55
6A(G3V)(W3V)	14	23	30	42	45	50
10A(E)(S)	4	10	13	28	35	40
10A(C)	10	15	15	25	30	35
10A(Q)	10	12	15	30	32	45
15A(E)	4	10	13	28	35	40
20A	8	10	15	25	30	35

## SPECIFICATIONS

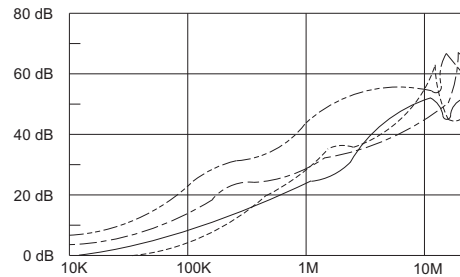
1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute) line-to-ground: 2250VDC line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

## ELECTRICAL SCHEMATIC

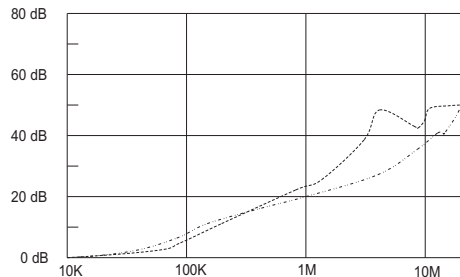


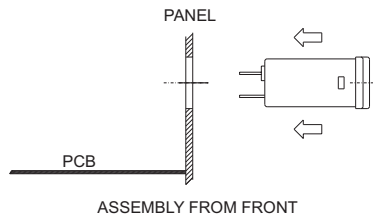
## INSERTION LOSS (TYPICAL)

03GEEG3E ----- COMMON MODE ----- DIFF. MODE  
 06GEEG3E ----- COMMON MODE ----- DIFF. MODE



20GEEG3E ----- COMMON MODE ----- DIFF. MODE

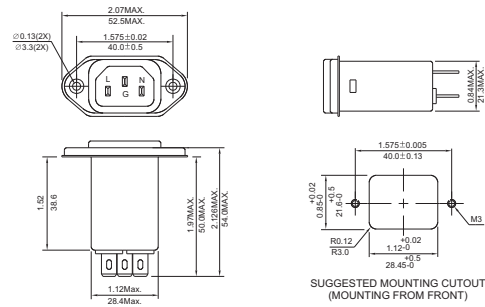




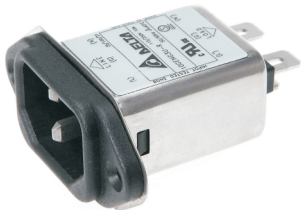
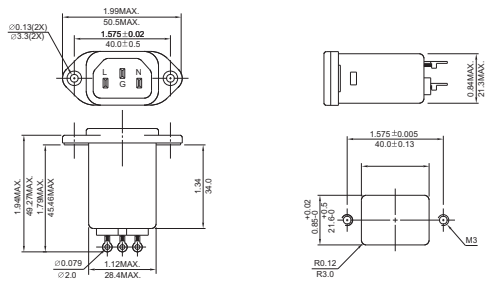
**MECHANICAL CONSTRUCTION**



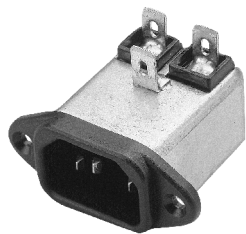
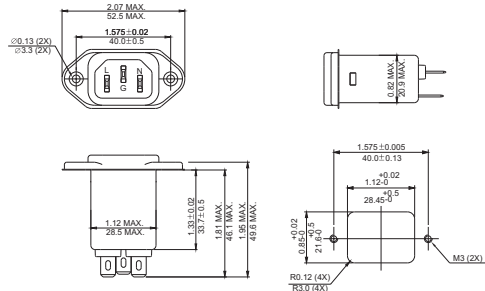
EG3E, EG3Q (Optional soldering lug or wire type)



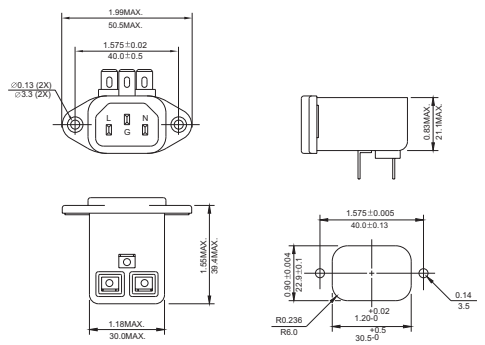
EG3S



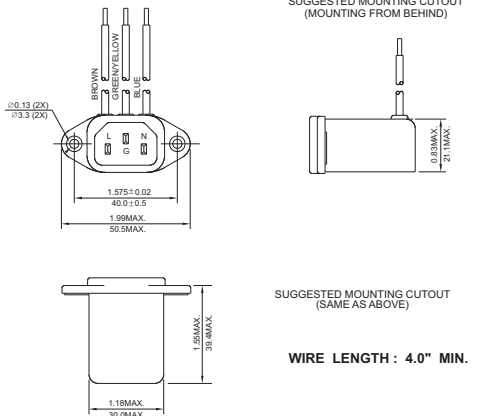
EG3U (With Compact Size)



EG3V



EW3V



UNIT: INCH  
mm