



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

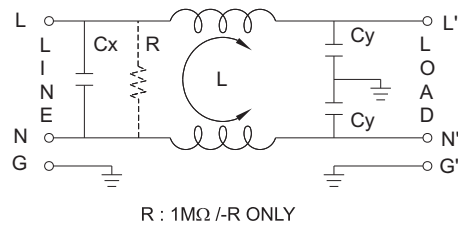
PART NO.	Cx (uF)	L (mH)	Cy (pF)	R (Ω)	
01GEEG3E/W3E/-R	0.1	6.5	2200	1M	
01GEEG3H/G3V/W3V		3	3300	-	
01GEEG3S/-R		10.5			
03GEEG3E/W3E/W3ES/-R		2.5	2.2	2200	1M
03GEEG3U/-R					
•03GEEW3ES/-R		3.3	3.3	3300	-
03GEEG3H/G3V/W3V					
03GEEG3S/-R		4	4	4	4
•03GEEG3Q/W3Q-R					
03GEEW3J		2.4	2.4	2200	-
03GEHG3J					
06GEEG3E/W3E/W3ES/-R		0.8	0.8	800	800
06GEEG3U/-R					
06GEEG3H/G3V/W3V		1.05	1.05	1050	1050
06GEEG3S/-R					
••06GEEG3Q/W3Q-R		1.5	1.5	1500	1500
•••10GEEG3C/W3C/-R					
10GEEG3E/W3E/W3ES/-R		0.2	0.2	2200	1M
10GEEG3S/-R					
*10GEEG3Q/W3Q-R		0.3	0.3	3300	3300
10GEEG3U/-R					
**15GEEG3E/W3E/-R	0.2	0.2	2200	1M	
***20GEEG3E/W3E/-R					
	0.3	0.3	3300	3300	

- 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

## SPECIFICATIONS

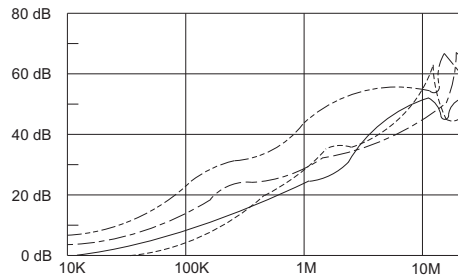
1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute) line-to-ground: 2250VDC line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

## ELECTRICAL SCHEMATIC

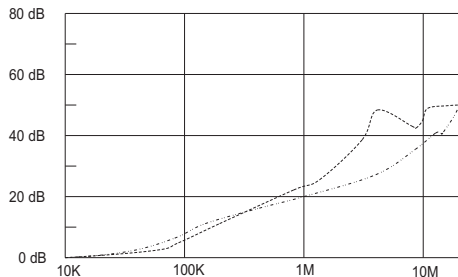


## INSERTION LOSS (TYPICAL)

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

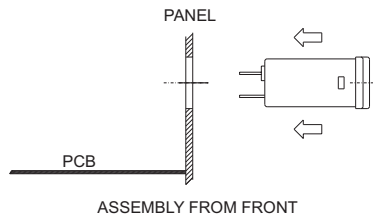


20GEEG3E ----- COMMON MODE ----- DIFF. MODE



## MINIMUM INSERTION LOSS IN dB

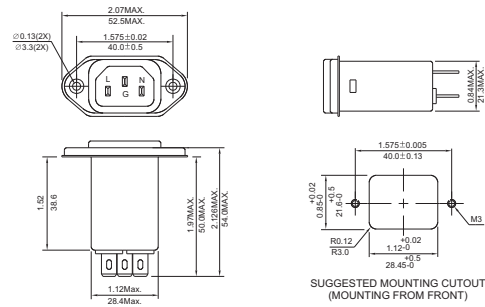
CURRENT RATING	COMMON MODE (L-G) IN 50 OHM SYSTEM					
	FREQUENCY-MHz					
	.15	.50	1.0	5.0	10	30
1A(E)(S)	28	35	38	38	40	40
1A(H)	26	36	44	54	55	55
1A(G3V)	24	35	42	50	55	55
1A(W3V)	24	35	42	50	55	55
3A(E)(S)(Q)	20	25	30	38	40	40
3A(H)	24	30	38	50	55	40
3A(G3J,W3J)	20	25	30	38	40	40
3A(G3V)(W3V)	20	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



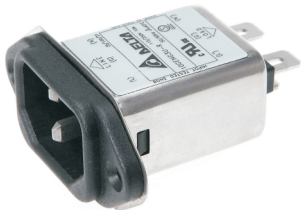
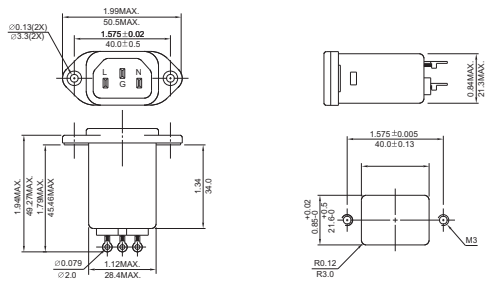
## MECHANICAL CONSTRUCTION



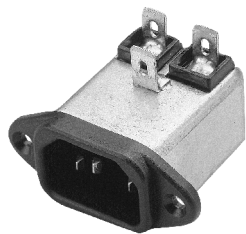
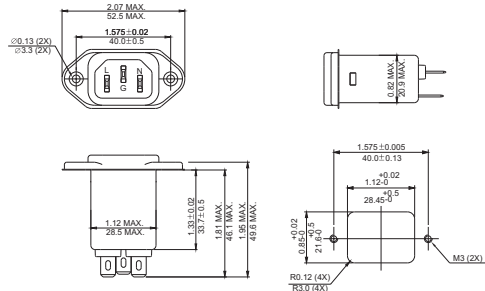
EG3E, EG3Q (Optional soldering lug or wire type)



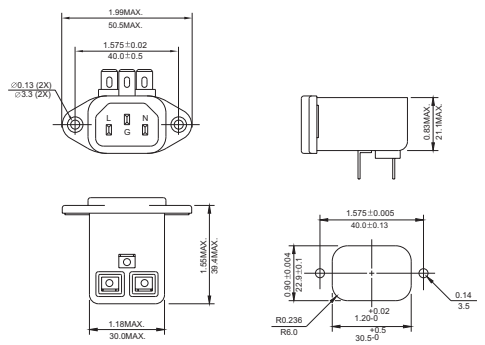
EG3S



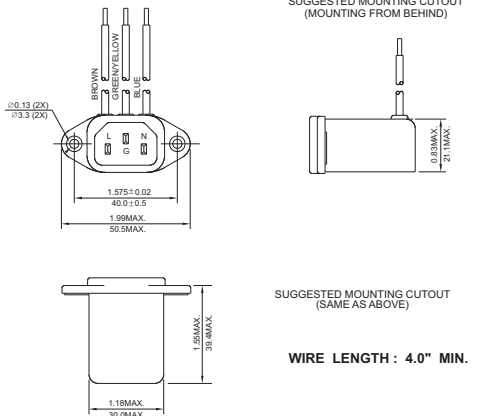
EG3U (With Compact Size)



EG3V



EW3V



UNIT: INCH  
mm