



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	2200	1M
03GEEG3U/-R				
•03GEEW3ES/-R		4	3300	-
03GEEG3H/G3V/W3V				
03GEEG3S/-R		2.4		1M
•03GEEG3Q/W3Q/-R				
03GEEW3J		0.8	2200	-
03GEHG3J				
06GEEG3E/W3E/W3ES/-R		1.05		1M
06GEEG3U/-R				
06GEEG3H/G3V/W3V		1.5	3300	-
06GEEG3S/-R				
••06GEEG3Q/W3Q/-R		0.4		
•••10GEEG3C/W3C/-R				
10GEEG3E/W3E/W3ES/-R		0.2	2200	1M
10GEEG3S/-R				
*10GEEG3Q/W3Q/-R		0.3		
10GEEG3U/-R				
**15GEEG3E/W3E/-R		0.2		
***20GEEG3E/W3E/-R				

• 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

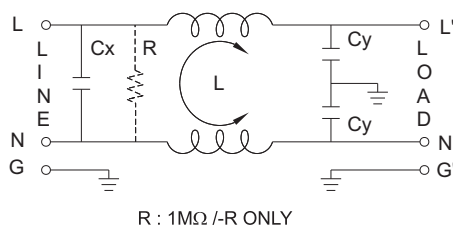
MINIMUM INSERTION LOSS IN dB

COMMON MODE (L-G) IN 50 OHM SYSTEM						
CURRENT RATING	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

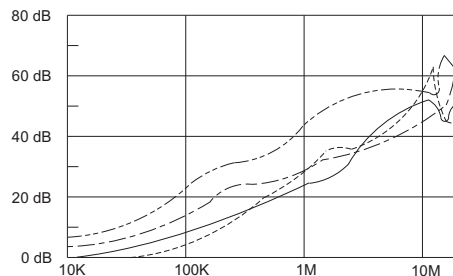
1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute) line-to-ground: 2250VDC line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

ELECTRICAL SCHEMATIC

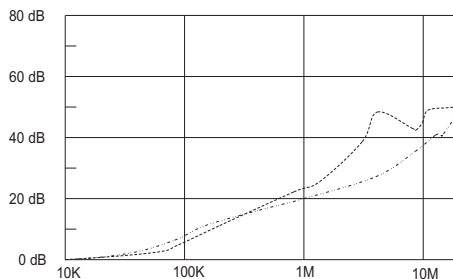


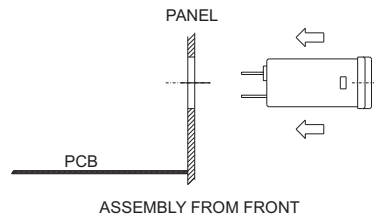
INSERTION LOSS (TYPICAL)

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



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





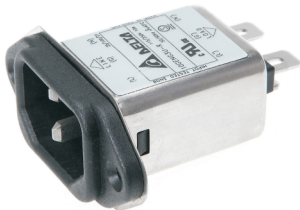
MECHANICAL CONSTRUCTION



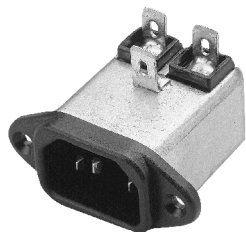
EG3E, EG3Q (Optional soldering lug or wire type)



EG3S



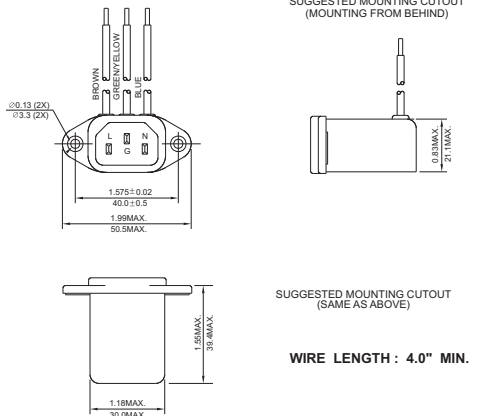
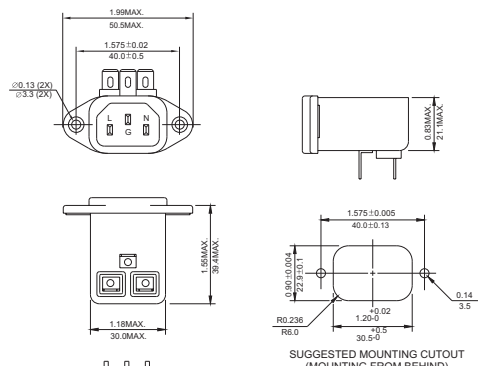
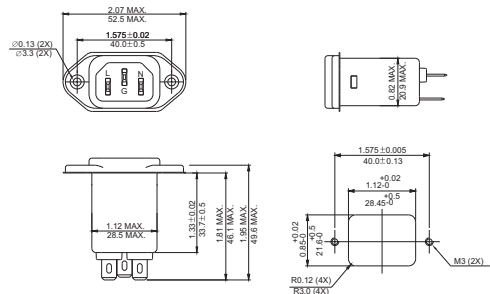
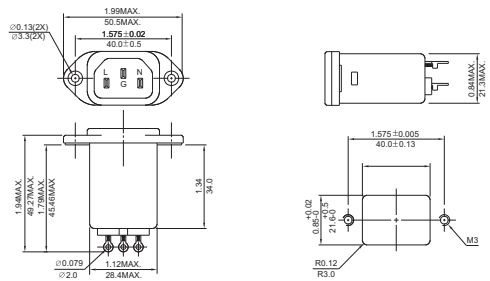
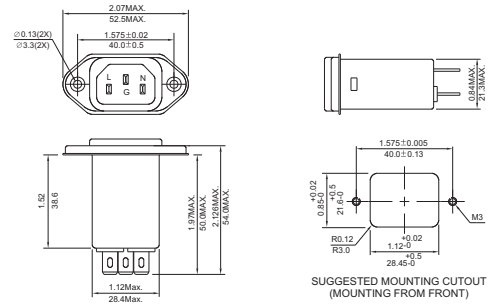
EG3U (With Compact Size)



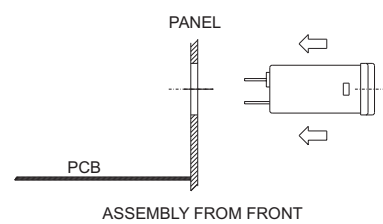
EG3V



EW3V



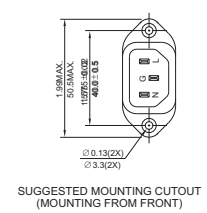
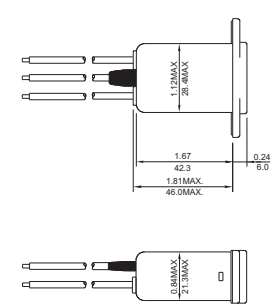
UNIT: INCH
mm



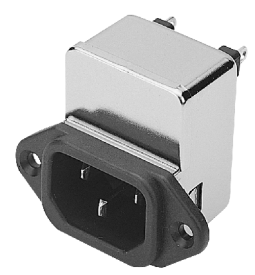
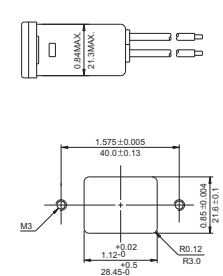
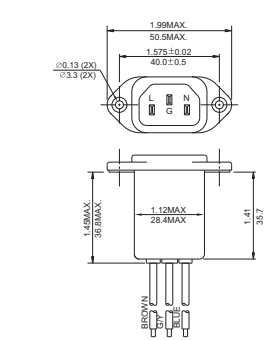
MECHANICAL CONSTRUCTION



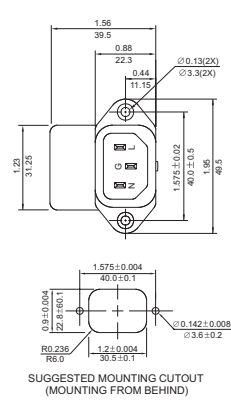
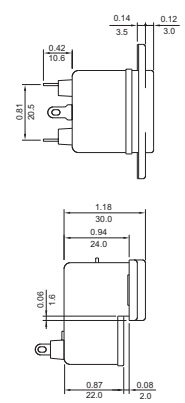
EW3J



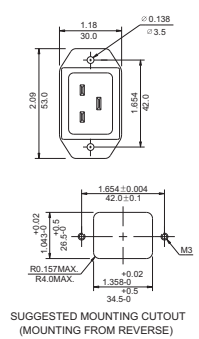
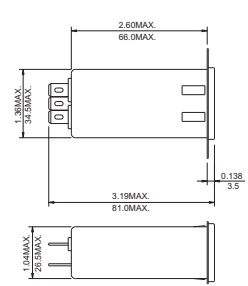
EW3ES



HG3J



20GEEG3E (Optional wire type)



WIRE LENGTH : 4.0" MIN.

SUGGESTED MOUNTING CUTOUT (MOUNTING FROM REVERSE)

UNIT: INCH/mm