



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

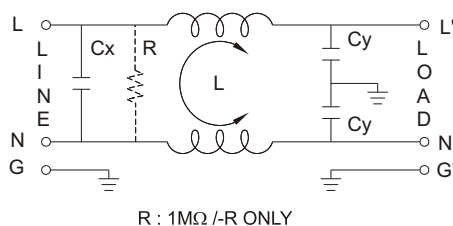
MINIMUM INSERTION LOSS IN dB

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

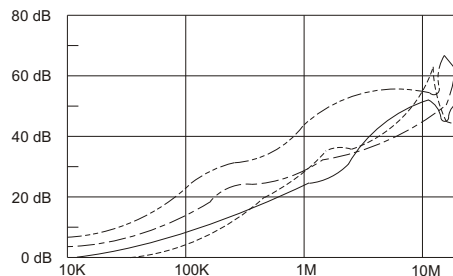
1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA
@ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute)
line-to-ground: 2250VDC
line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

ELECTRICAL SCHEMATIC

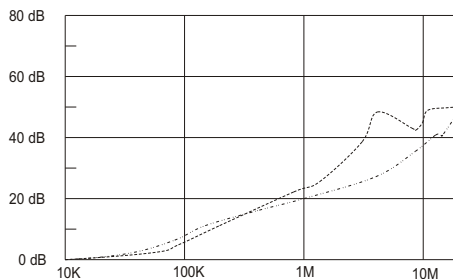


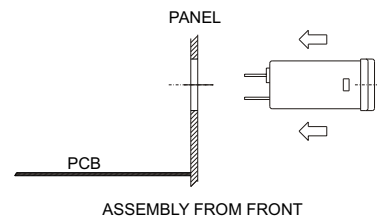
INSERTION LOSS (TYPICAL)

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

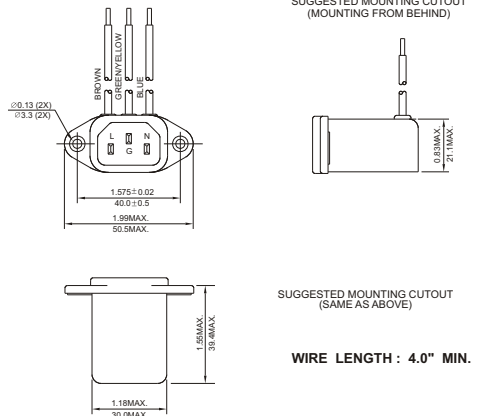
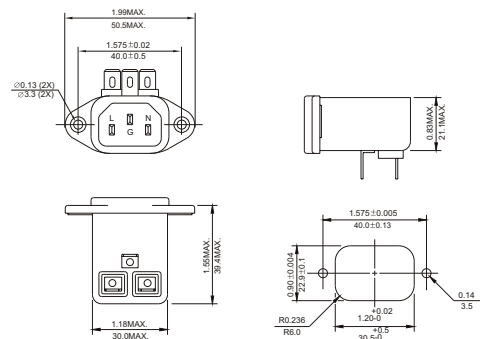
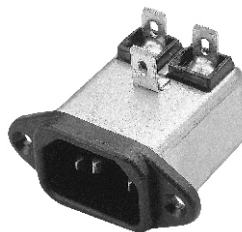
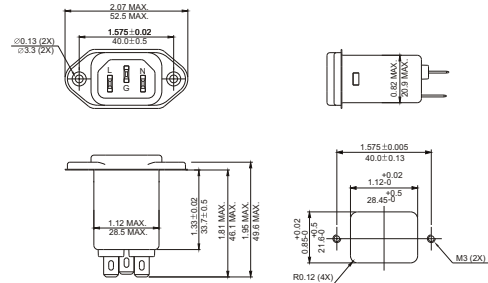
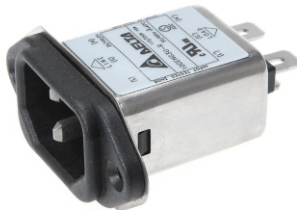
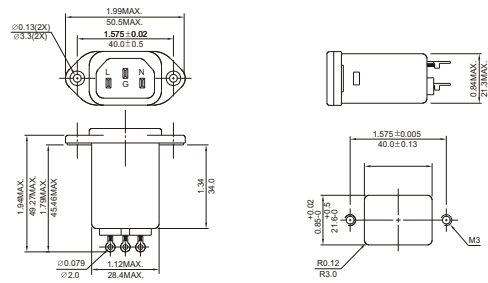
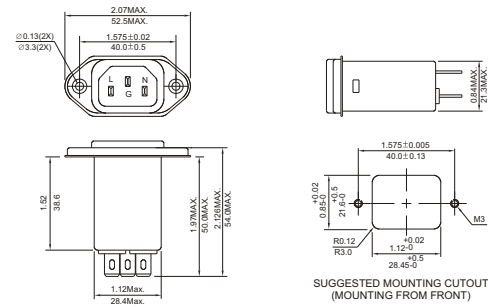


20GEEG3E ----- COMMON MODE ----- DIFF. MODE



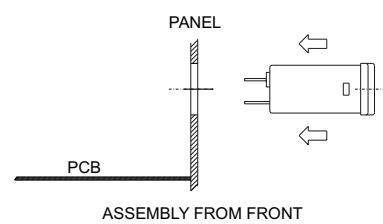


MECHANICAL CONSTRUCTION



WIRE LENGTH : 4.0" MIN.

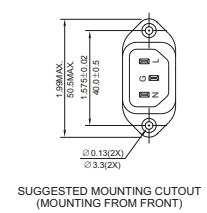
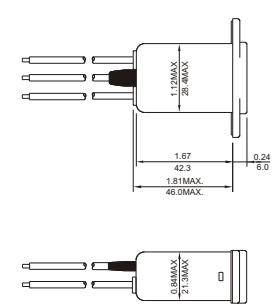
UNIT: $\frac{\text{INCH}}{\text{mm}}$



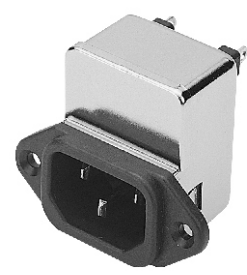
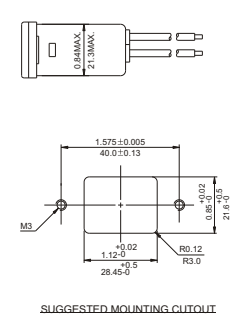
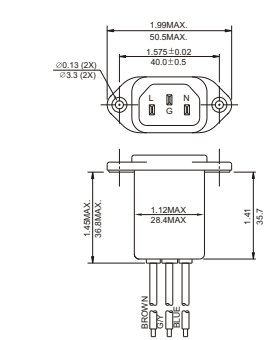
MECHANICAL CONSTRUCTION



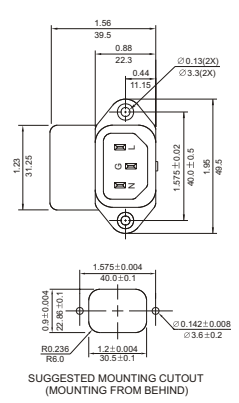
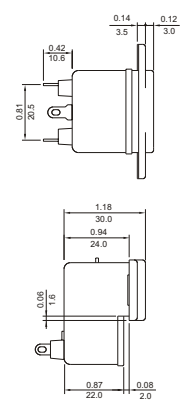
EW3J



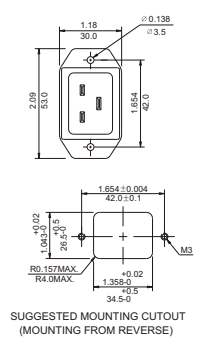
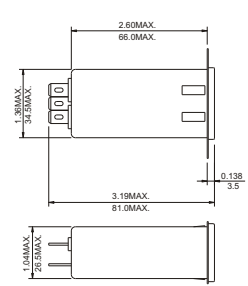
EW3ES



HG3J



20GEEG3E (Optional wire type)



WIRE LENGTH : 4.0" MIN.

UNIT: INCH
mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[15GEEG3E](#) [06GEEG3E](#) [06GEEW3E](#) [03GEEW3ES-R](#) [01GEEG3E](#) [06GEEW3V](#) [03GEEG3E-R](#) [10GEEG3E](#)
[15GEEG3E-R](#) [03GEEW3E](#) [20GEEG3E-R](#) [06GEEG3Q](#) [20GEEG3E](#) [10GEEG3Q-R](#) [10GEEG3E-R](#) [03GEEG3V](#)
[06GEEG3E-R](#) [03GEEW3V](#) [03GEEG3E](#) [03GEEG3Q-R](#)