



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.
5. Safety under apply for 03/06/10GEEG3U series.

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/G3U/-R		2.5	2200	1M
• 03GEEW3ES/-R			-	-
03GEEG3H/G3V/W3V		4	3300	-
03GEEG3S/-R			-	-
• 03GEEG3Q/W3Q-R		2.4	2200	1M
03GEEW3J		0.8	-	-
03GEHG3J			-	-
06GEEG3E/W3E/W3ES/G3U/-R		1.05	3300	1M
06GEEG3H/G3V/W3V		1.5		-
06GEEG3S/-R		0.4	2200	1M
•• 06GEEG3Q/W3Q-R		0.2		-
••• 10GEEG3C/W3C/-R		0.3	2200	1M
10GEEG3E/W3E/W3ES/G3U/-R		0.2		-
10GEEG3S/-R		0.3	2200	1M
*10GEEG3Q/W3Q-R		0.2		-
**15GEEG3E/W3E/-R		0.3		-
***20GEEG3E/W3E/-R		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

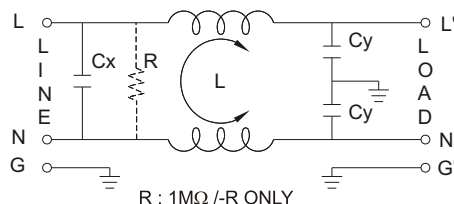
MINIMUM INSERTION LOSS IN dB

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

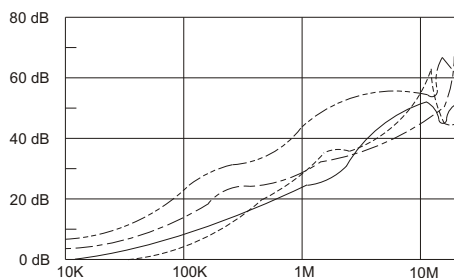
1. Maximum leakage current each line-to-ground @ 115VAC 60Hz: 0.25mA @ 250VAC 50Hz: 0.45mA
2. Hipot rating (one minute) line-to-ground: 2250VDC line-to-line: 1450VDC
3. Operating frequency: 50/60Hz
4. Rated voltage: 115/250VAC

ELECTRICAL SCHEMATIC

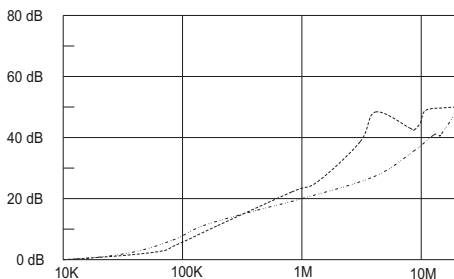


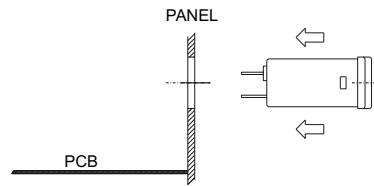
INSERTION LOSS (TYPICAL)

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



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



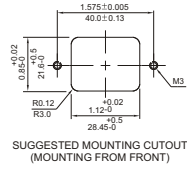
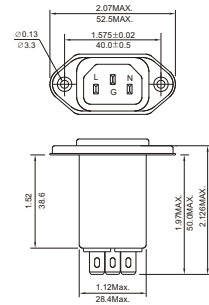


ASSEMBLY FROM FRONT

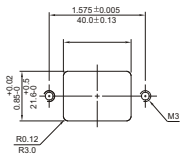
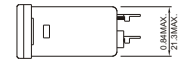
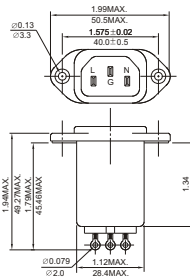
MECHANICAL CONSTRUCTION



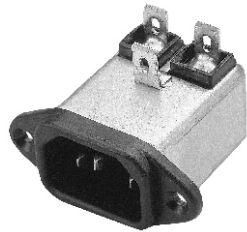
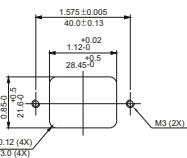
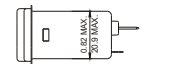
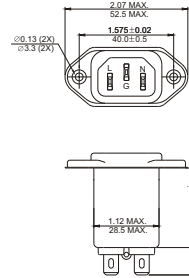
EG3E, EG3Q (Optional soldering lug or wire type)



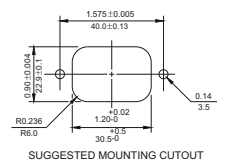
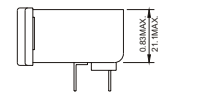
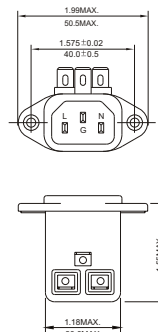
EG3S



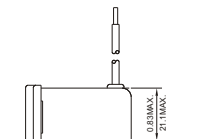
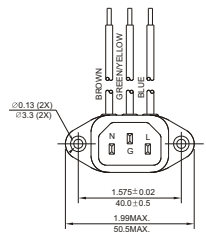
EG3U (With Compact Size)



EG3V



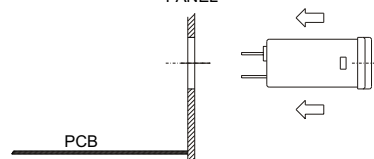
EW3V



SUGGESTED MOUNTING CUTOUT (SAME AS ABOVE)

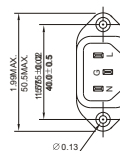
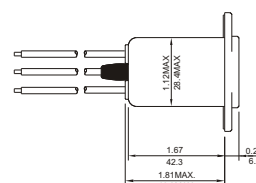
ALL WIRE LEADS 4.0" LONG MIN.

UNIT: INCH
mm

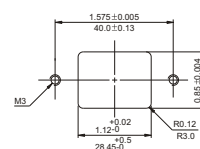
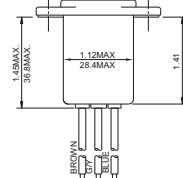
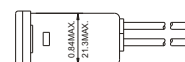
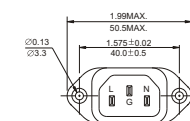
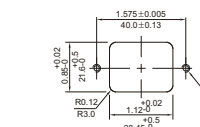
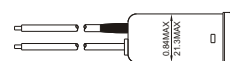


ASSEMBLY FROM FRONT

EW3J

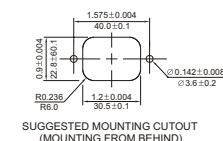
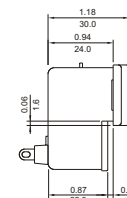
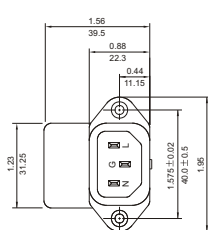
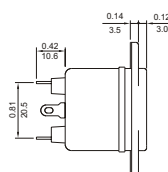


SUGGESTED MOUNTING CUTOUT
(MOUNTING FROM FRONT)



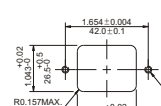
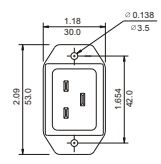
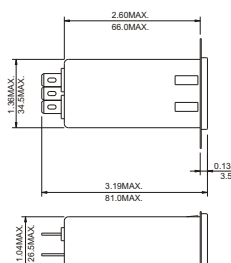
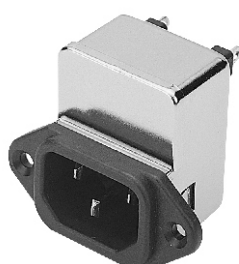
SUGGESTED MOUNTING CUTOUT

EW3ES



**SUGGESTED MOUNTING CUTOUT
(MOUNTING FROM BEHIND)**

HG3J



SUGGESTED MOUNTING CUTOUT
(MOUNTING FROM REVERSE)

20GEEG3E (Optional wire type)

ALL WIRE LEADS 4.0" LONG MIN.

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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