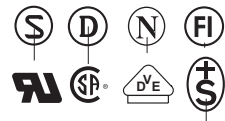


**GE**SERIES**HIGH PERFORMANCE IEC  
CONNECTOR FILTERS****INTRODUCTIONS**

1. A high performance general purpose filter with an IEC connector providing effective EMI suppression.
2. Bleeder resistor can be added for "G3E", "W3E", "G3S" & "G3C" types with suffix "-R" on part numbers.
3. Safety Approval: EG3H, EW3V: UL, CSA, VDE & SEV  
EG3V & EG3Q: UL, CSA & VDE  
HG3J: UL, CSA, VDE & SEMKO  
20GE: UL, CSA & VDE
4. With optional Y-Cap 3300pF.

**COMPONENTS**

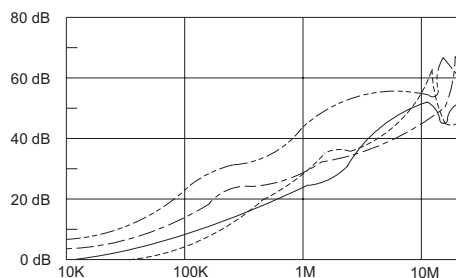
| PART NO.             | Cx (uF) | L (mH) | Cy (pF) | R (Ω) |
|----------------------|---------|--------|---------|-------|
| 01GEEG3E/W3E/-R      | 0.1     | 6.5    | 2200    | 1M    |
| 01GEEG3H/G3V/W3V     |         | 3      | 3300    | -     |
| 01GEEG3S/-R          |         | 10.5   |         | 1M    |
| 03GEEG3E/W3E/W3ES/-R |         | 2.5    | 2200    | 1M    |
| •03GEEW3ES/-R        |         |        |         |       |
| 03GEEG3H/G3V/W3V     |         | 2.5    | 3300    | -     |
| 03GEEG3S/-R          |         |        |         |       |
| •03GEEG3Q/W3Q/-R     |         | 4      |         | 1M    |
| 03GEEW3J             |         | 2.4    | 2200    | -     |
| 03GEHG3J             |         |        |         |       |
| 06GEEG3E/W3E/W3ES/-R |         | 0.8    |         | 1M    |
| 06GEEG3H/G3V/W3V     |         |        | 3300    | -     |
| 06GEEG3S/-R          |         | 1.05   |         |       |
| ••06GEEG3Q/W3Q/-R    |         | 1.5    |         |       |
| •••10GEEG3C/W3C/-R   |         | 0.4    |         |       |
| 10GEEG3E/W3E/W3ES/-R |         | 0.2    | 2200    | 1M    |
| 10GEEG3S/-R          |         |        |         |       |
| *10GEEG3Q/W3Q/-R     |         |        |         |       |
| **15GEEG3E/W3E/-R    |         |        |         |       |
| ***20GEEG3E/W3E/-R   |         | 0.3    |         |       |

• UL, CSA approved to 4A 115/250V  
 •• UL, CSA approved to 8A 115/250V  
 ••• VDE approved to 8A/250V

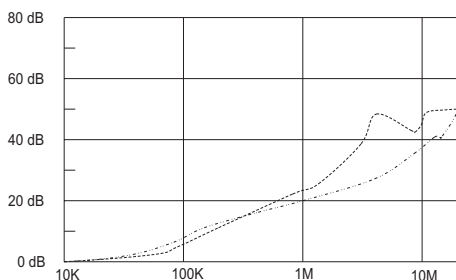
\* UL, CSA approved to 13A 115/250V  
 \*\* VDE approved to 10A/250V  
 \*\*\* VDE approved to 16A/250V

**INSERTION LOSS (TYPICAL)**

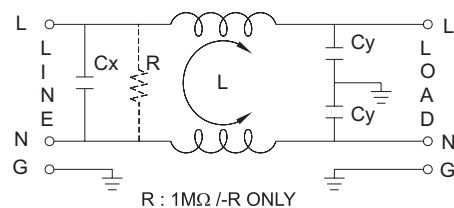
03GEEG3E ----- COMMON MODE ----- DIFF. MODE  
 06GEEG3E ----- COMMON MODE ----- DIFF. MODE



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

**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

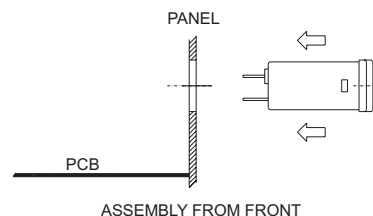
**ELECTRICAL SCHEMATIC****MINIMUM INSERTION LOSS IN dB**

| CURRENT<br>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)           | 20                                 | 30  | 35  | 40  | 40 | 40 |
| 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 | 55 |
| 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  | 32  | 45  | 50 | 50 |
| 6A(Q)             | 15                                 | 20  | 20  | 35  | 40 | 55 |
| 6A(G3V)(W3V)      | 14                                 | 23  | 30  | 42  | 35 | 40 |
| 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 |

[illegible][illegible]

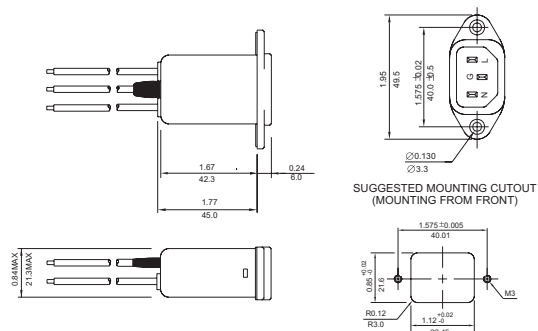
Technical drawings of the 4-wire cable assembly. The left side shows two views of the cable jacket: a side view with dimensions 1.18, 30.0, and 1.55, and a cross-sectional view with dimensions 0.83 and 21.1. The right side shows a top view of the connector with dimensions 1.90, 50.5, 1.9750.02, and 40.01. It also shows the four wires: BROWN (3), GREEN/YELLOW (G), BLUE, and a fourth wire (4). A suggested mounting cutout is indicated with dimensions 0.813 and 0.313.

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

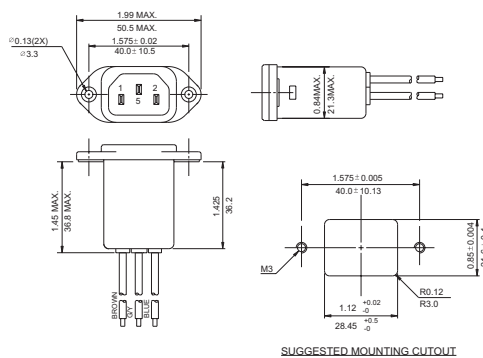


## MECHANICAL CONSTRUCTION

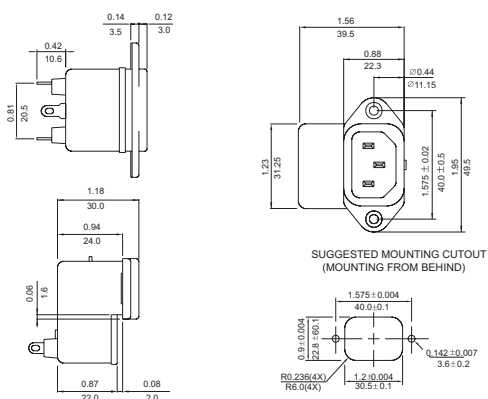
EW3J



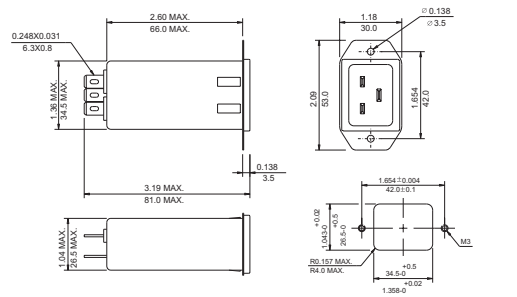
EW3ES



HG3J



20GEEG3E (Optional wire type)



ALL WIRE LEADS 4.0" LONG MIN. UNIT: INCH  
mm