

**SAFETY ORGANIZATION(S):**

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET.

|               |                      |
|---------------|----------------------|
| UL RECOGNIZED | UL 1283              |
| CSA CERTIFIED | CSA 22.2, NO.0,0.4,8 |
| VDE APPROVED  | VDE 565-3, 625       |

**OPERATING SPECIFICATIONS:**

|                                           |                                          |
|-------------------------------------------|------------------------------------------|
| LINE VOLTAGE/CURRENT:                     | 5 AMP., 120 VAC                          |
|                                           | 4 AMP., 250 VAC                          |
|                                           | 4 AMP./40°C, 250 VAC                     |
| LINE FREQUENCY:                           | 50-60Hz                                  |
| MAX. LEAKAGE CURRENT, EACH LINE TO GROUND | .25mA AT 120V 60Hz<br>.42mA AT 250V 50Hz |
| OPERATING AMBIENT TEMP. RANGE:            | -10°C TO +40°C @ RATED CURRENT, I        |

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

**RELIABILITY SPECIFICATIONS:**

|                        |                                     |
|------------------------|-------------------------------------|
| STORAGE TEMPERATURE:   | -40°C TO +85°C                      |
| HUMIDITY:              | 21 DAYS @ 40°C 95% RH               |
| CURRENT OVERLOAD TEST: | 6 TIMES RATED CURRENT FOR 8 SECONDS |

**TEST SPECIFICATIONS:**

|                                                |                                               |
|------------------------------------------------|-----------------------------------------------|
| INDUCTANCE:                                    | .93mH NOMINAL                                 |
| CAPACITANCE:                                   | (MEASURED AT 1 KHz, 0.25 VAC MAX., 25°C ±1°C) |
| LINE TO LINE:                                  | .01µF ±20%                                    |
| LINE TO GROUND:                                | .005µF ±20%                                   |
| DISCHARGE RESISTOR:                            | 1.5 MΩ                                        |
| LINE/GROUND AND LINE/LINE                      | 5000 MΩ (MIN)                                 |
| INSULATION RESISTANCE (W/O DISCHARGE RESISTOR) | AT 100 VDC<br>20°C AND 50% RH                 |

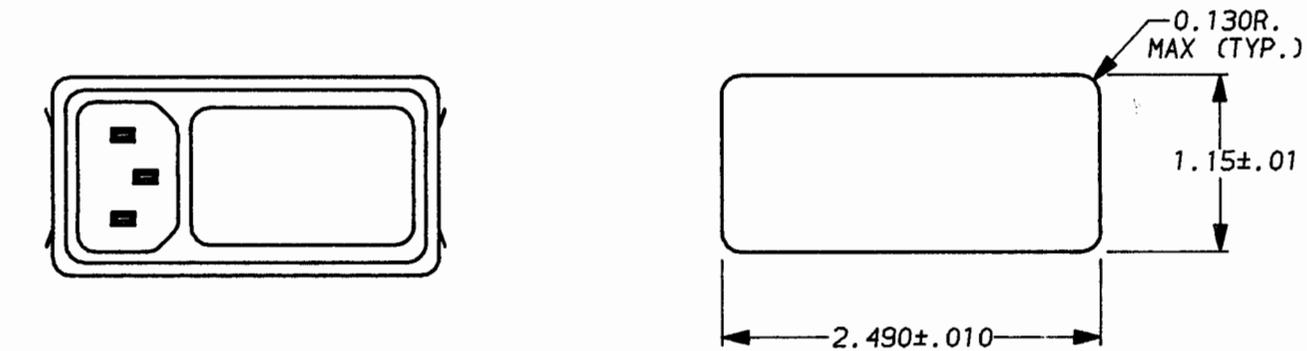
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

|                 |                       |
|-----------------|-----------------------|
| LINE TO GROUND: | 1500 VAC FOR 1 MINUTE |
| LINE TO LINE:   | 1450 VDC FOR 1 MINUTE |

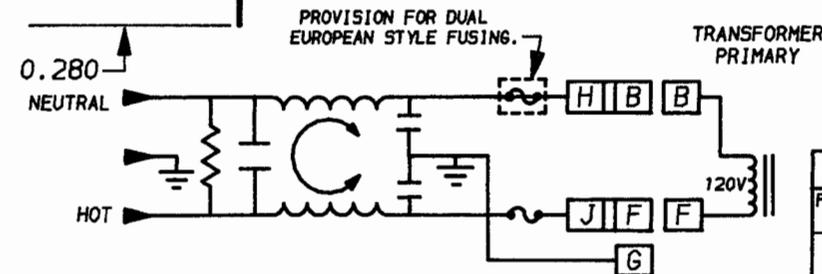
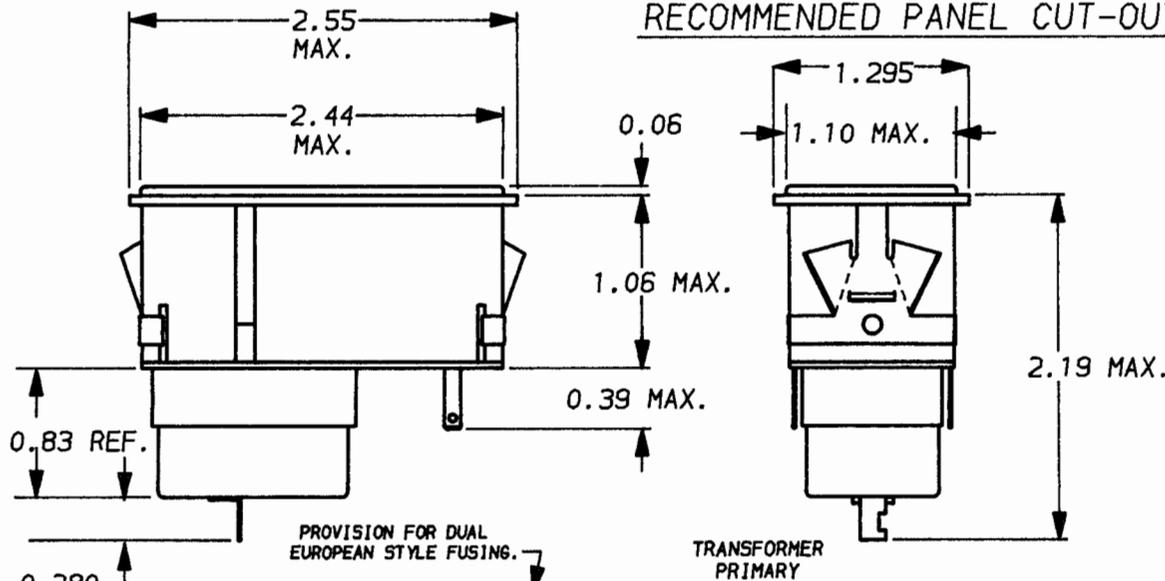
**FILTER APPROVAL:**

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

SEFM1C



**RECOMMENDED PANEL CUT-OUT**



| 50Ω - 50Ω (MINIMUM) INSERTION LOSS |     |     |     |     |     |    |    |    |
|------------------------------------|-----|-----|-----|-----|-----|----|----|----|
| FREQUENCY MHz                      | .15 | .50 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 |
| COMMON dB                          | 14  | 21  | 26  | 33  | 40  | 45 | 50 | 40 |
| DIFF. dB                           |     |     |     |     |     |    |    |    |

|  |                                                                                                                                                       |                            |             |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|
|  | UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025                                                                                                     | <br>LIBERTYVILLE, IL 60048 |             |
|  | MATERIAL & FINISH: AS SUPPLIED                                                                                                                        |                            |             |
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|  | APPRVD.                                                                                                                                               | SEFM1C                     | 00          |
|  | CAD NO.                                                                                                                                               | SEFM1C.00                  |             |

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