

# **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  
CSA CERTIFIED  
VDE APPROVED

UL 1283, 544  
CSA 22.2, NO.0,0.4,8  
VDE 565-3, 625

## **OPERATING SPECIFICATIONS:**

LINE VOLTAGE/CURRENT, 5 AMP., 120 VAC  
4 AMP., 250 VAC  
4 AMP./40°C, 250 VAC  
50-60Hz  
LINE FREQUENCY, 50-60Hz  
MAX. LEAKAGE CURRENT, EACH  
LINE TO GROUND 2µA AT 120V 60Hz  
5µA 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, .009µF ±20%  
(MEASURED AT 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
LINE TO LINE.

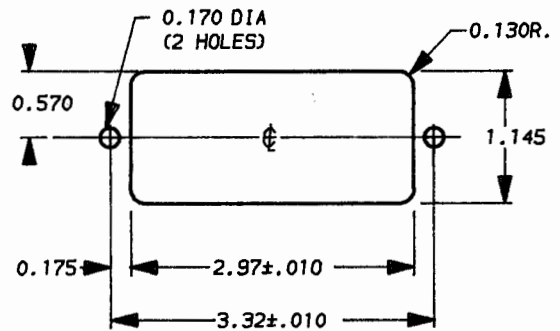
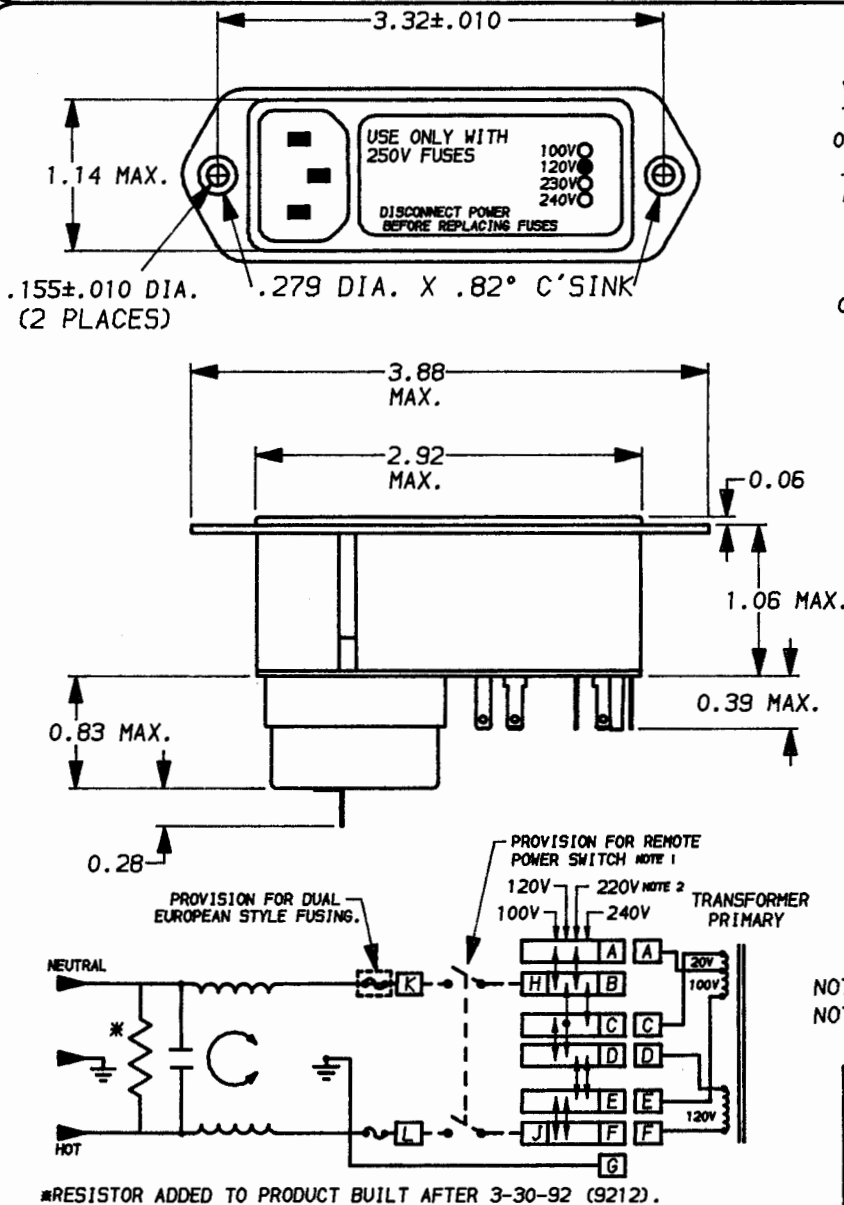
DISCHARGE RESISTOR, 1.5 MΩ  
LINE/GROUND AND LINE/LINE 6000 MΩ (MIN)  
INSULATION RESISTANCE AT 100 VDC  
(W/O DISCHARGE RESISTOR) 20°C AND 50% RH

## **RECOMMENDED RECEIVING INSPECTION HIPOT:**

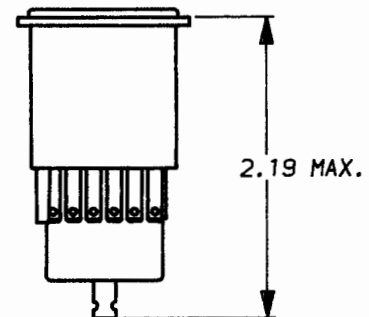
LINES TO GROUND, 1500 VAC FOR 1 MINUTE  
LINE TO LINE, 1450 VDC FOR 1 MINUTE

## **FILTER APPROVAL:**

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



RECOMMENDED PANEL CUT-OUT  
NOT TO SCALE



NOTE 1. JUMPERS REQUIRED IF NO SWITCH IS USED.  
NOTE 2. 230V. FOR EUROPEAN APPLICATIONS.

| 50n - 50n (MINIMUM) INSERTION LOSS |     |     |     |     |     |    |    |    |
|------------------------------------|-----|-----|-----|-----|-----|----|----|----|
| FREQUENCY<br>MHz                   | .15 | .50 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 |
| COMMON<br>dB                       | 14  | 18  | 19  | 21  | 22  | 22 | 19 | 17 |
| DIFF.<br>dB                        |     |     |     |     |     |    |    |    |

\*RESISTOR ADDED TO PRODUCT BUILT AFTER 3-30-92 (9212).

UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED

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LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 4-18-94 CATALOG NO. REV.  
APPROV. SEHM4.05  
CAD NO. SEHM4.05

SEHM4