

# 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  
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  
LINE FREQUENCY, 50-60Hz  
MAX. LEAKAGE CURRENT, EACH .25mA AT 120V 60Hz  
LINE TO GROUND .42mA AT 250V 50Hz  
OPERATING AMBIENT TEMP. RANGE, -10°C TO +40°C @ RATED CURRENT, I  
IN AN AMBIENT,  $T_a$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , 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 6000 MΩ (MIN)  
INSULATION RESISTANCE AT 100 VDC  
(W/O DISCHARGE RESISTOR) 20°C AND 50% RH

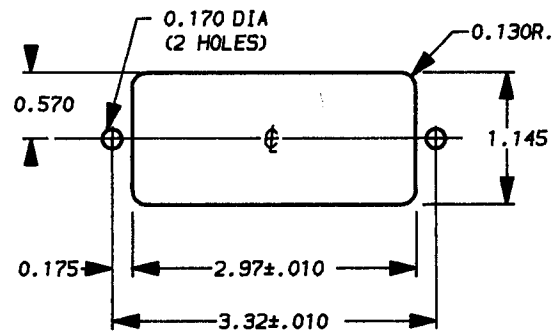
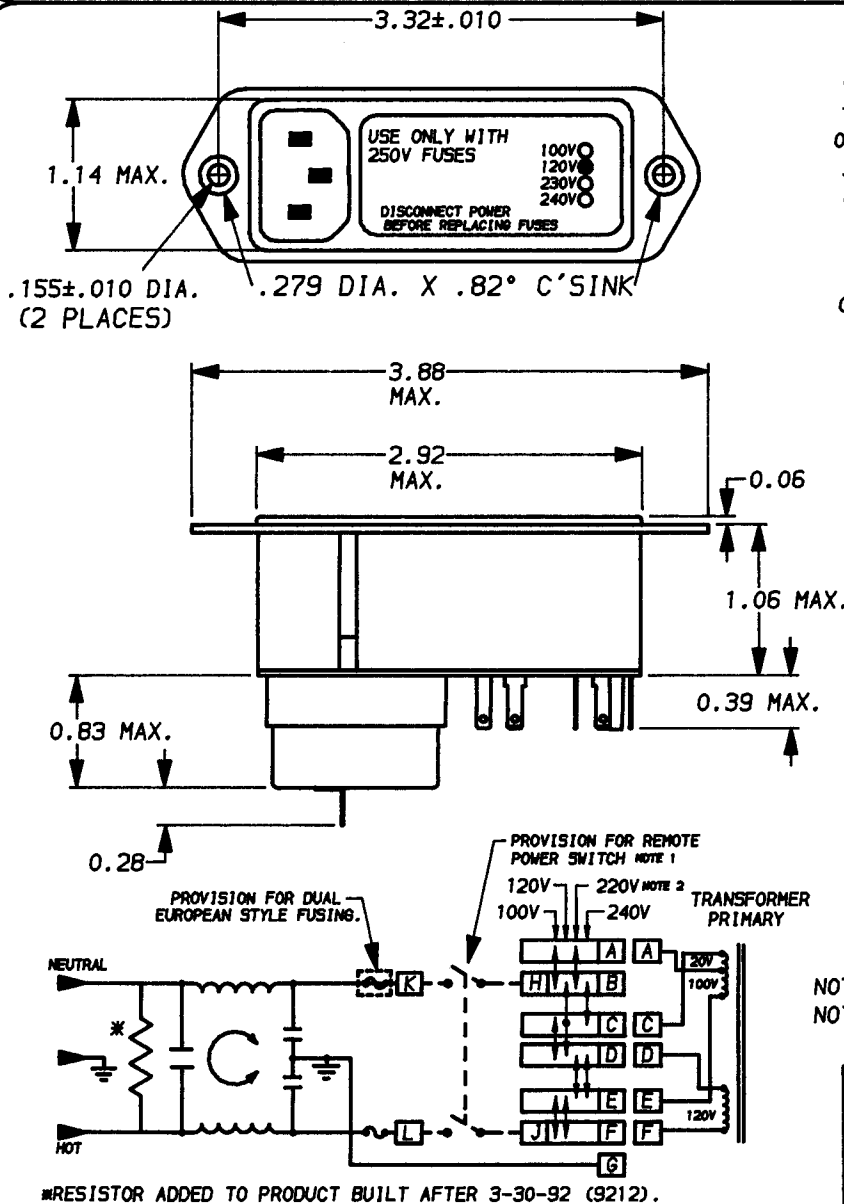
## RECOMMENDED RECEIVING INSPECTION HIPOT:

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

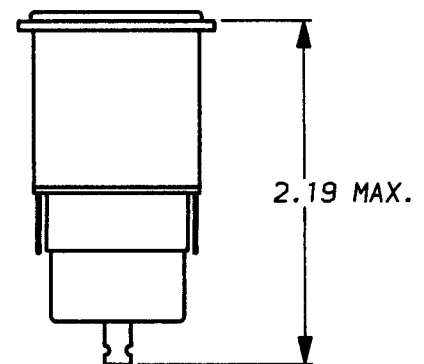
## FILTER APPROVAL:

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

SEFM4



RECOMMENDED PANEL CUT-OUT  
NOT TO SCALE



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

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  
MATERIAL & FINISH: AS SUPPLIED  
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LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 4-18-94 CATALOG NO. REV.  
APPROV. SEFM4.05

CAD NO. SEFM4.05

# Mouser Electronics

Authorized Distributor

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