

1VR1

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

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 1 AMP, 120/250 VAC  
1 AMP, /40°C, 250 VAC  
LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: .5 mA AT 120V 60HzD  
LINE TO GROUND: .83 mA at 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>

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: 3.72 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
LINE TO GROUND: .011 μF ±20%  
LINE TO LINE: .303 μF ±20%  
DISCHARGE RESISTOR: 680 KΩ

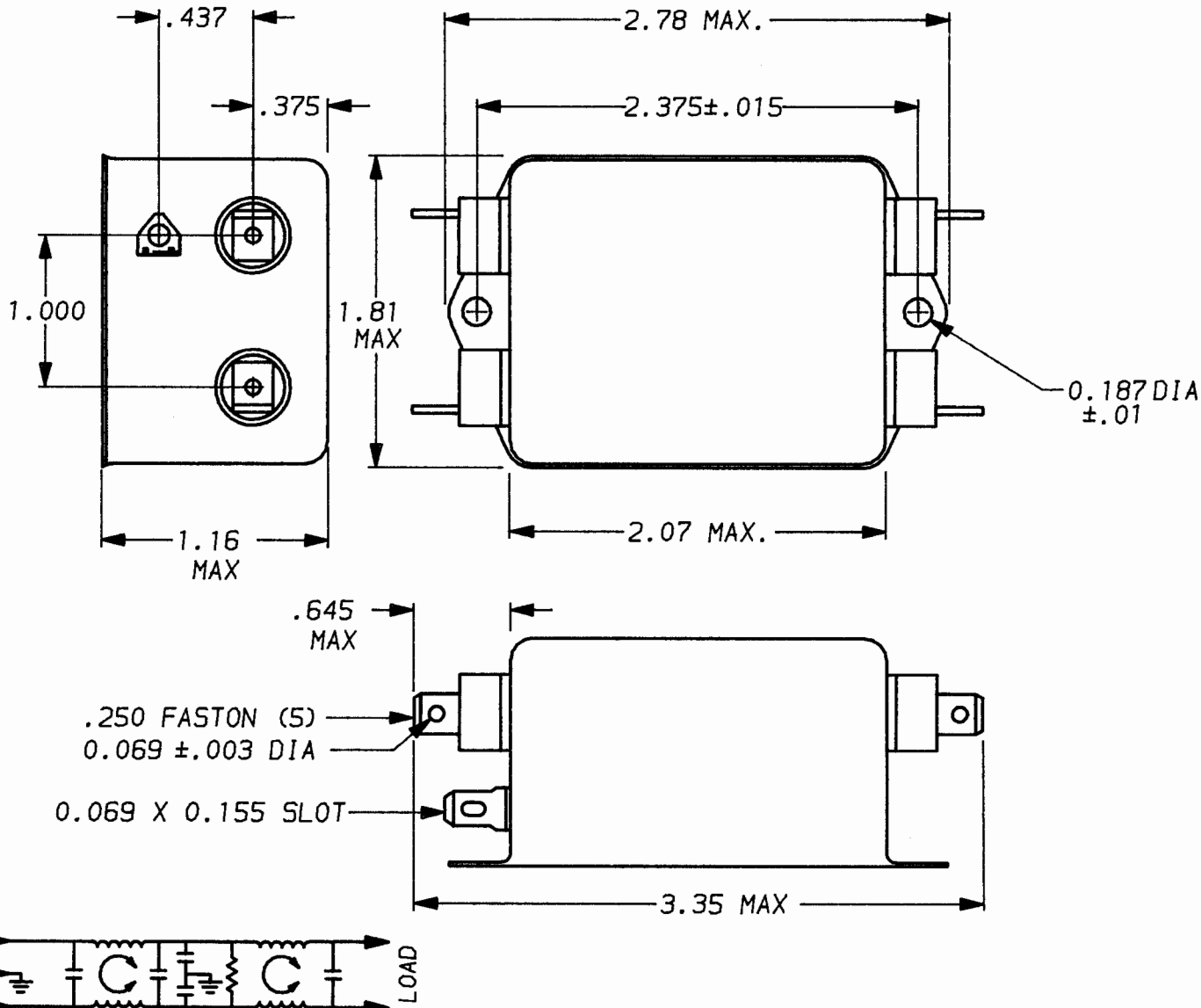
LINE/GROUND AND LINE/LINE: 6000Ω (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINES TO GROUND: 2250 VDC 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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | .15 | .3 | .5 | 1  | 2  | .5 | 10 | 20 | 30 | / | / | / |
|---------------|-----|----|----|----|----|----|----|----|----|---|---|---|
| COMMON dB     | 40  | 54 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | / | / | / |
| DIFF. dB      | 2   | 7  | 45 | 65 | 65 | 65 | 60 | 50 | 50 | / | / | / |

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

DATE: 9-15-93 CATALOG NO.  
APPROV. *TR-M* 1VR1  
CAD NO. 1VR1.07

# Mouser Electronics

Authorized Distributor

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