

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

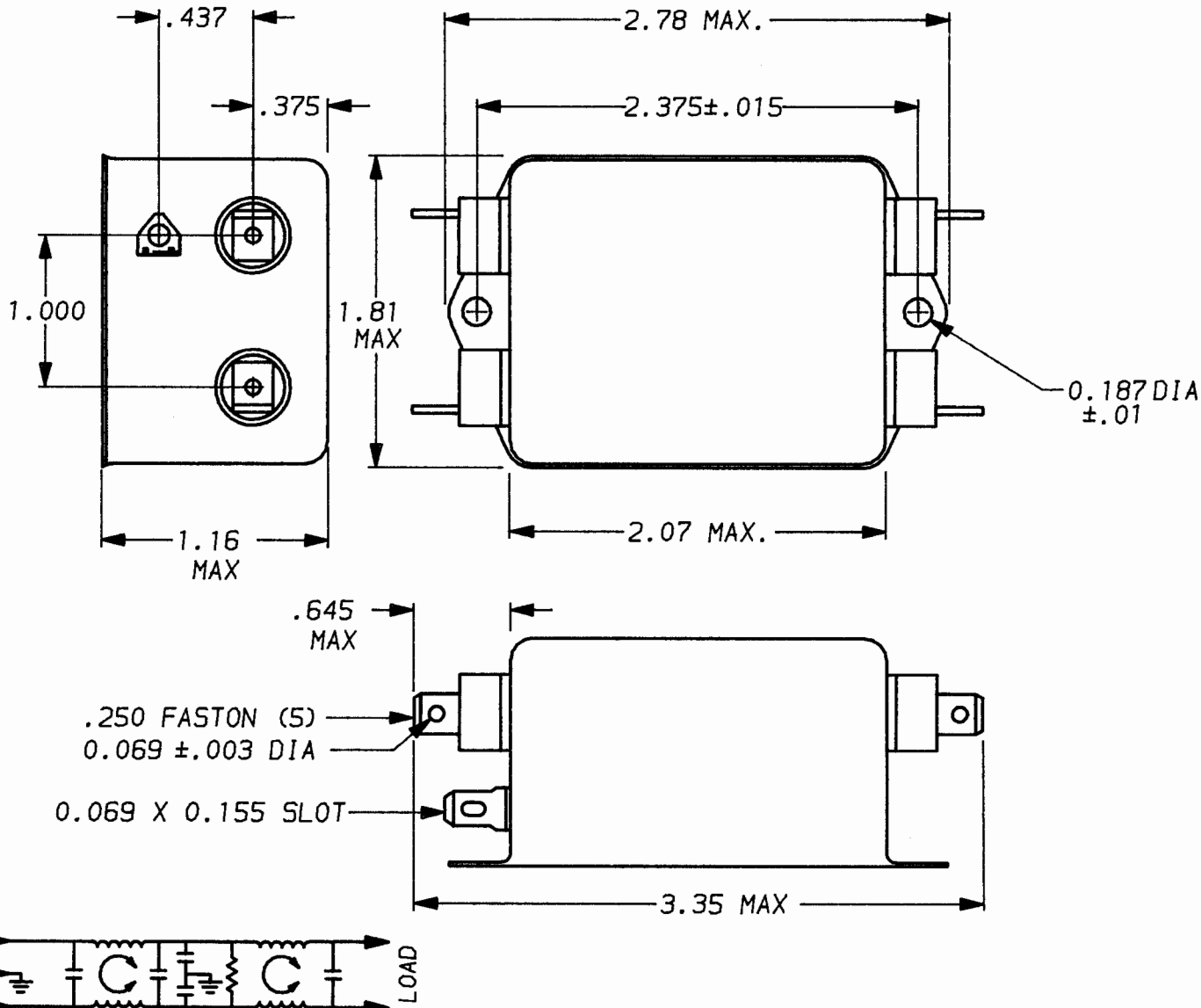
LINE/GROUND AND LINE/LINE: 6000Ω (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

**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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**POWER LINE FILTER**

DATE: 9-15-93 CATALOG NO.

APPROV. *TR-M* 1VR1

CAD NO. 1VR1.07