

**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  
 SEV APPROVED

UL 1283  
 CSA 22.2, NO.0,0.4,8  
 VDE 565-3  
 SEV 1055/TP1977/5.1.1

**OPERATING SPECIFICATIONS:**

LINE VOLTAGE/CURRENT: 2 AMP, 120/250 VAC  
 2 AMP./40°C, 250 VAC  
 LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: .25 mA AT 120V 60Hz  
 LINE TO GROUND: .40 mA at 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT,  $I_r$

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: 1.078 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
 LINE TO GROUND: .006 µF ±20%  
 LINE TO LINE: .301 µF ±20%  
 DISCHARGE RESISTOR: 680KΩ

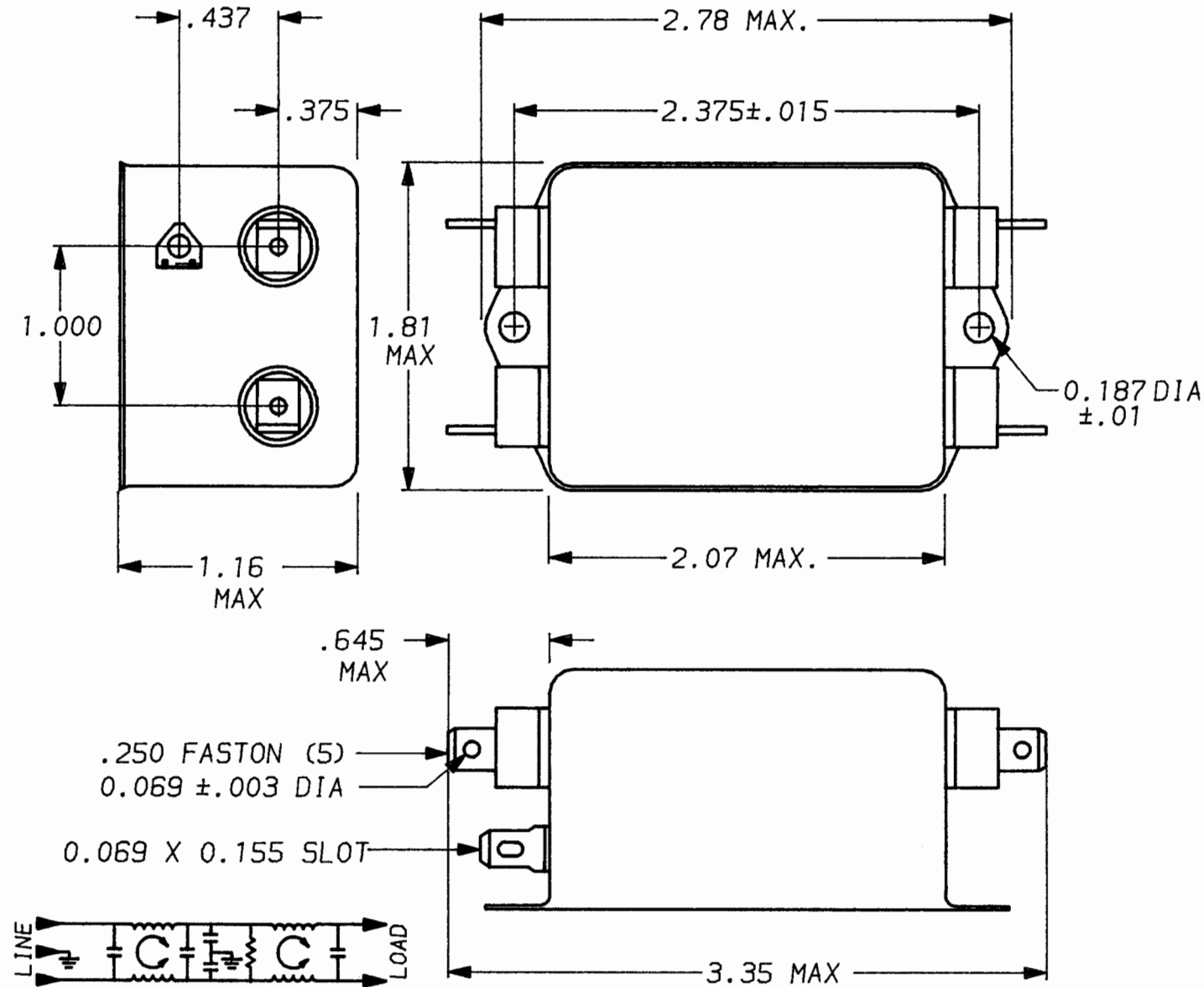
LINE/GROUND AND LINE/LINE: 6000Ω (MIN) AT 100VDC  
 INSULATION RESISTANCE: 20°C AND 50% RH

**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 | .6 | 1  | 2  | 5  | 10 | 20 | 30 | / | / |
|---------------|-----|----|----|----|----|----|----|----|----|----|---|---|
| COMMON dB     | 2   | 23 | 40 | 44 | 56 | 65 | 65 | 65 | 65 | 65 | / | / |
| DIFF. dB      | 2   | 2  | 8  | 10 | 50 | 65 | 60 | 57 | 52 | 48 | / | / |

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
 MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
 LIBERTYVILLE, IL 60048  
**POWER LINE FILTER**  
 DATE: 9-28-93 CATALOG NO.  
 APPROVD. TAM 2ER1  
 CAD NO. 2ER1.05

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