

2ER3

**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

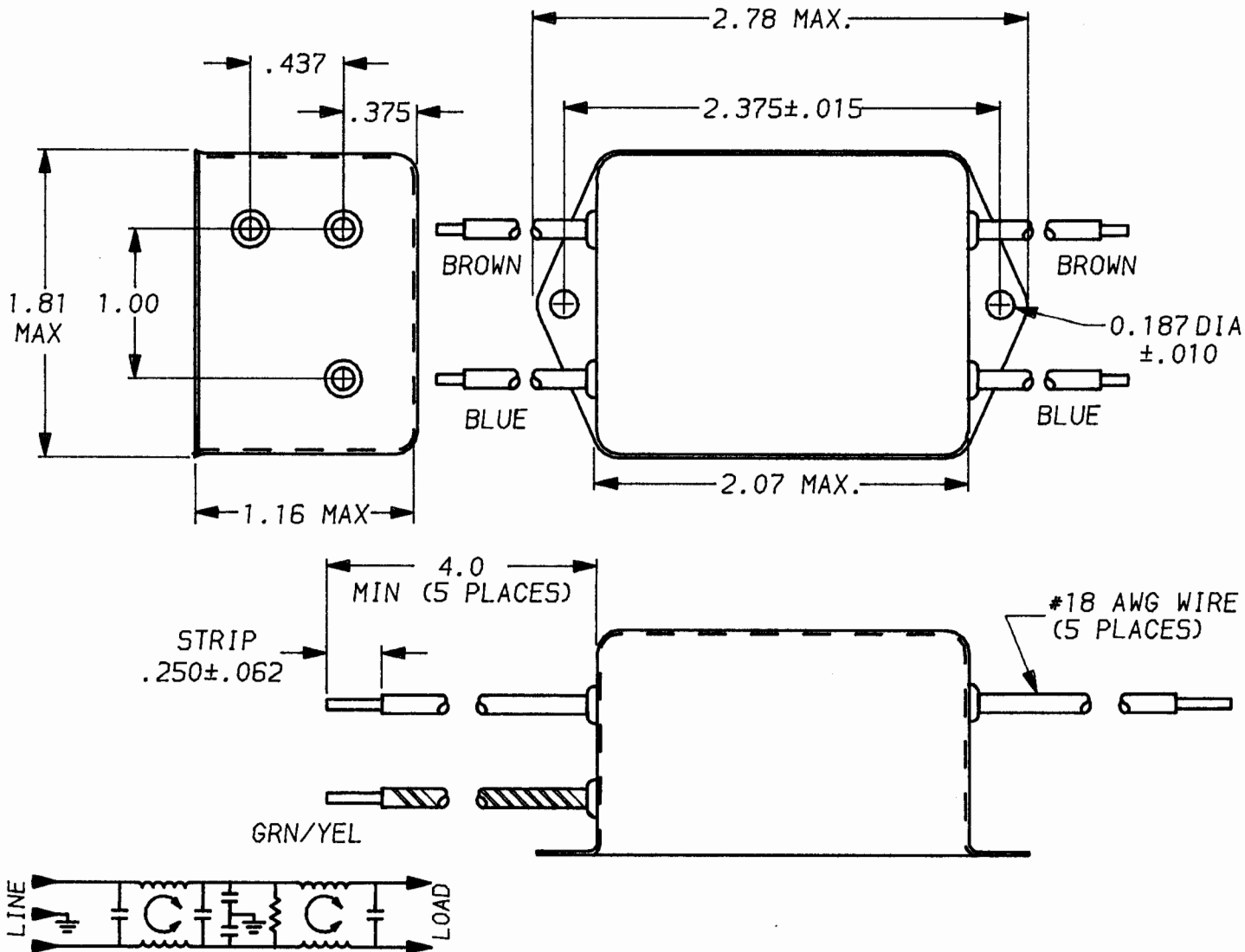
LINE/GROUND AND LINE/LINE, 6000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE, 20°C AND 50% RH

**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.



| 50 $\alpha$ - 50 $\alpha$ (MINIMUM) INSERTION LOSS |     |    |    |    |    |    |    |    |    |   |   |
|--|-----|----|----|----|----|----|----|----|----|---|---|
| FREQUENCY MHz                                      | .15 | .3 | .5 | 1  | 2  | 5  | 10 | 20 | 30 | / | / |
| COMMON dB  | 2   | 26 | 45 | 55 | 65 | 65 | 65 | 65 | 65 | / | / |
| DIFF. dB   | 5   | 2  | 8  | 55 | 65 | 62 | 58 | 48 | 48 | / | / |

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
LIBERTYVILLE, IL 60048  
POWER LINE FILTER  
DATE: 9-27-93 CATALOG NO.  
APPRVD. TAW 2ER3  
CAD NO. 2ER3.04