

3ET1

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: 3 AMP, 120/250 VAC  
2.75 AMP./40°C, 250 VAC  
LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: .3 mA AT 120V 60Hz  
LINE TO GROUND: .5 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: 36.8 mH NOMINAL  
CAPACITANCE: MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C  
LINE TO GROUND: .008  $\mu$ F ±20%  
LINE TO LINE: .94  $\mu$ F ±20%  
DISCHARGE RESISTOR: 330K $\Omega$

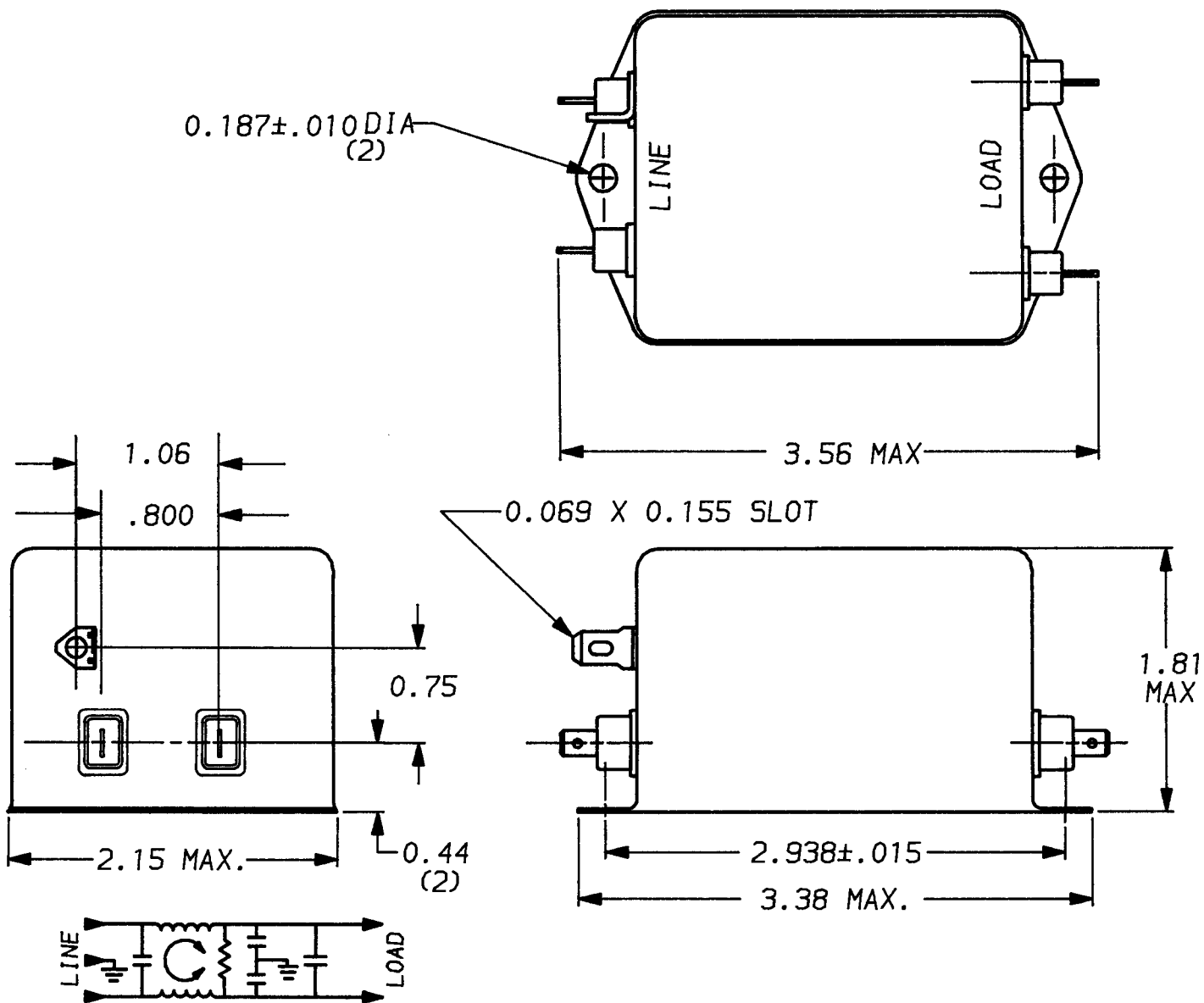
LINE/GROUND AND LINE/LINE: 6000M $\Omega$  (MIN AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE 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.



50a - 50a (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .01 | .03 | .05 | .15 | .5 | 1  | 2  | 5  | 8  | 10 | 20 | 30 |
|------------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| COMMON<br>dB     | 22  | 32  | 36  | 46  | 47 | 44 | 43 | 40 | 40 | 42 | 42 | 42 |
| DIFF.<br>dB      | 3   | 1   | 30  | 61  | 70 | 70 | 70 | 50 | 50 | 50 | 50 | 55 |

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.

APPROV. T A M

3ET1

ALTERNATE CONSTRUCTION  
CAD NO. 3ET1.05