

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

MAX. LEAKAGE CURRENT, EACH: .25 mA at 120V 60Hz  
LINE TO GROUND: .42 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

3EQ1

## 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: 32.18 mH NOMINAL  
CAPACITANCE: MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C  
LINE TO GROUND: .006 µF ±20%  
LINE TO LINE: 1.08 µF ±20%  
DISCHARGE RESISTOR: 270KΩ

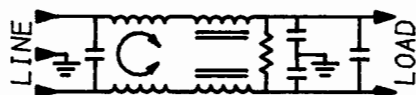
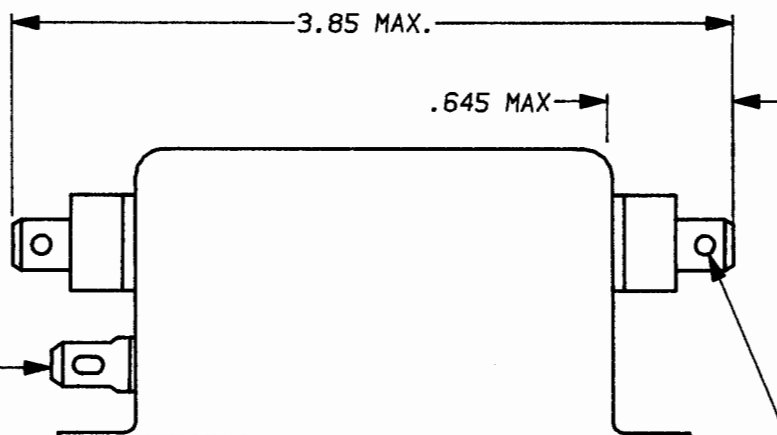
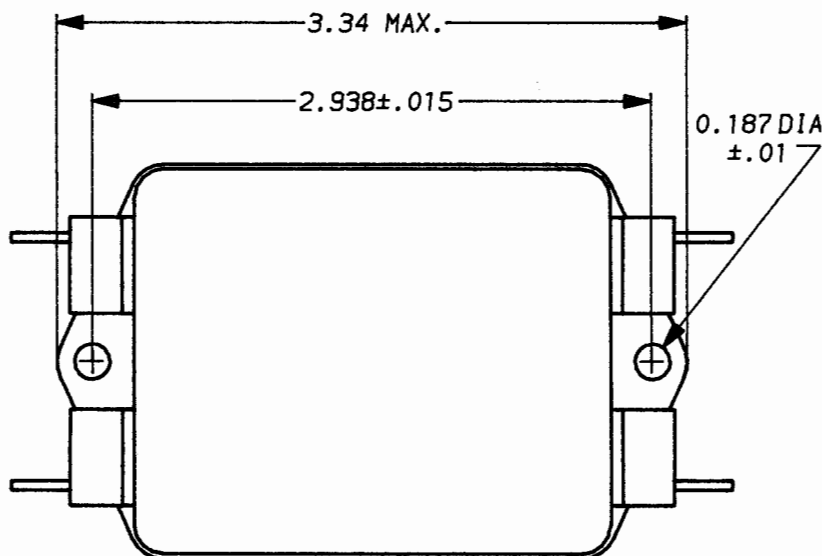
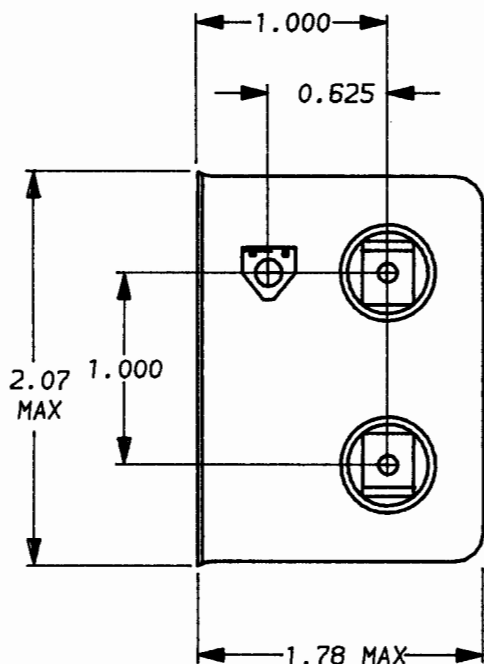
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

## 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.



.250 FASTONS (5 PLACES)

## 50n - 50n (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .01 | .015 | .02 | .05 | .15 | .5 | 1  | 2  | 5  | 10 | 20 | 30 |
|------------------|-----|------|-----|-----|-----|----|----|----|----|----|----|----|
| COMMON<br>dB     | 22  | 25   | 27  | 36  | 47  | 47 | 43 | 44 | 45 | 45 | 45 | 45 |
| DIFF.<br>dB      | 1   | 2    | 17  | 42  | 65  | 75 | 75 | 70 | 65 | 65 | 62 | 60 |

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

POWER LINE FILTER

DATE: 9-30-93

APPROVED: TAM

CATALOG NO.

3EQ1

CAD NO.

3EQ1.05