

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 1283  
UL RECOGNIZED  
CSA 22.2, NO.0,0.4,8  
CSA CERTIFIED  
VDE 565-3  
VDE APPROVED

OPERATING SPECIFICATIONS:  
LINE VOLTAGE/CURRENT:

6 AMP., 120/250 VAC  
5 AMP./40°C, 250 VAC  
50-60Hz  
40°C

LINE FREQUENCY:  
MAX. CASE RISE  $\theta$  RATED CURRENT:  
MAX. LEAKAGE CURRENT, EACH  
LINE TO GROUND

0.5mA at 120V 60 Hz  
1.0 mA at 250V 50 Hz

OPERATING AMBIENT TEMP. RANGE:  
-10°C TO +40°C  $\theta$  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  $\theta$  40°C 95% RH

CURRENT OVERLOAD TEST:

6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:

1.8 mH NOMINAL

CAPACITANCE: (MEASURED  $\theta$  1 KHz, 0.25 VAC MAX., 25°C  $\pm$ 1°C)

LINE TO GROUND:

.011 $\mu$ F  $\pm$ 20%

LINE TO LINE:

.543 $\mu$ F  $\pm$ 20%

DISCHARGE RESISTOR:

330 K $\Omega$

LINE/GROUND AND LINE/LINE

6000 M $\Omega$  (MIN) AT 100 VDC

INSULATION RESISTANCE

20°C AND 50% RH

(W/O DISCHARGE RESISTOR)

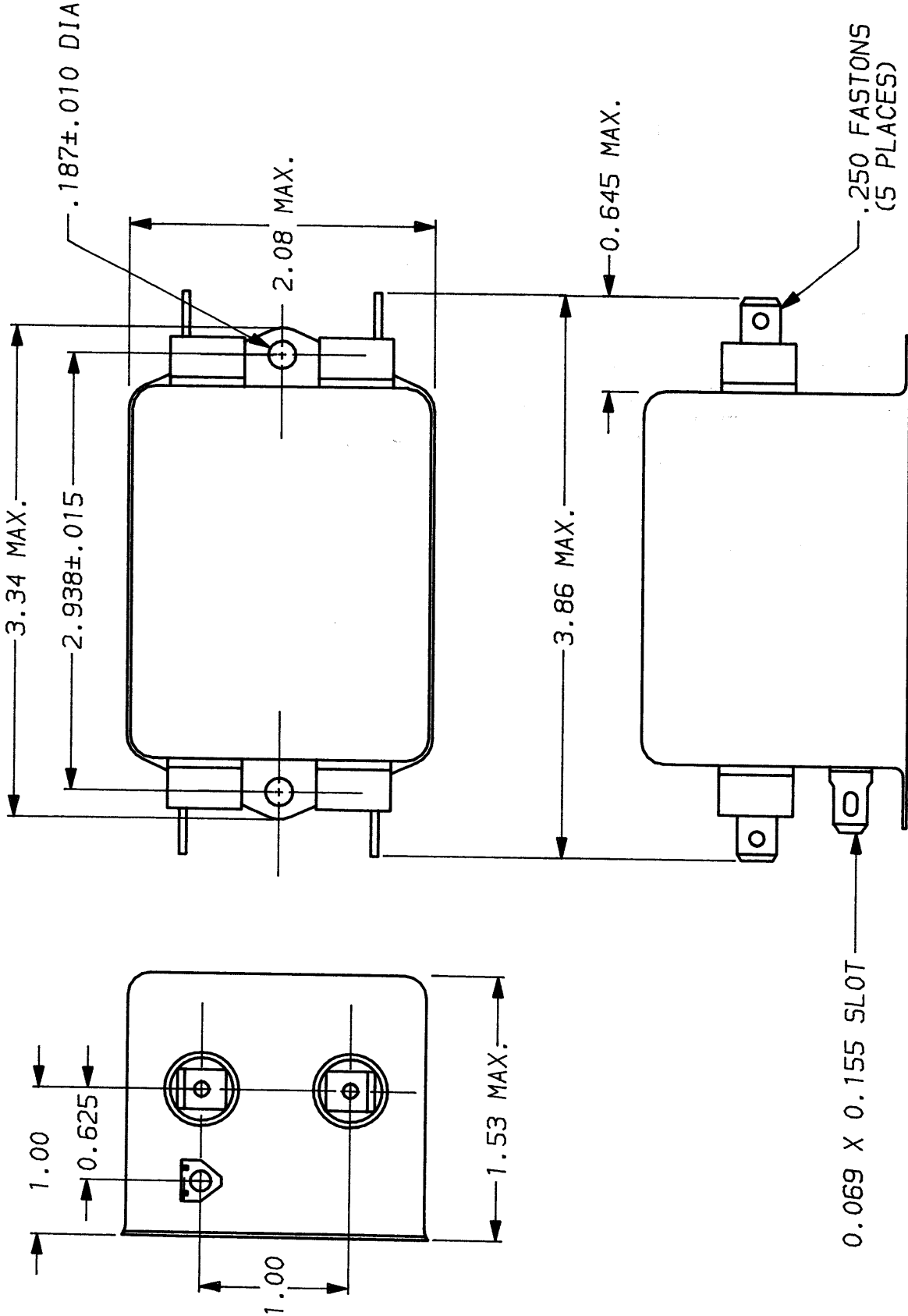
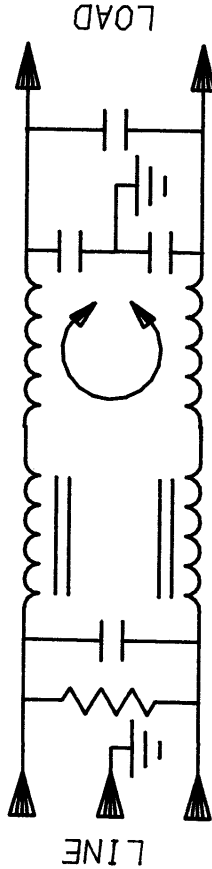
RECOMMENDED RECEIVING INSPECTION HIPOT:

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 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS |     |    |    |    |    |    |    |    |  |  |  |
|----------------------------------------------------|-----|----|----|----|----|----|----|----|--|--|--|
| FREQUENCY<br>MHz                                   | .15 | .5 | 1  | 2  | 5  | 10 | 20 | 30 |  |  |  |
| COMMON<br>dB                                       | 18  | 33 | 41 | 45 | 37 | 49 | 49 | 53 |  |  |  |
| DIFF.<br>dB                                        | 35  | 65 | 65 | 65 | 60 | 45 | 50 | 50 |  |  |  |

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TOLERANCE EXCEPT AS NOTED  
DECIMAL: .XXX .XX .X ANGLES  
ENGLISH:  $\pm$ .025  
METRIC:  $\pm$  —

MATERIAL:

AS SUPPLIED

FINISH:

AS SUPPLIED



CORCOM  
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE NTS 9-12-89

DATE 9-12-89

DRW. BY TDL

ORIGINATOR CW

DRG. NO. 6VS1.06

REV.