

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 APPROVED
- VDE 565-3

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 6 AMP., 120/250 VAC
- 5 AMP./40°C, 250 VAC
- 50-60Hz
- 40°C
- LINE FREQUENCY: 0.5mA at 120V 60 Hz
- MAX. CASE RISE @ RATED CURRENT: 1.2 mA at 250V 50 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: -10°C TO +40°C @ RATED CURRENT,  $I_r$
- OPERATING AMBIENT TEMP. RANGE: 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: 1.9 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)
  - LINE TO GROUND: .013µF ±20%
  - LINE TO LINE: .813µF ±20%
- DISCHARGE RESISTOR: 330 K $\Omega$
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 M $\Omega$  (MIN) AT 100 VDC
- (W/O DISCHARGE RESISTOR) 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

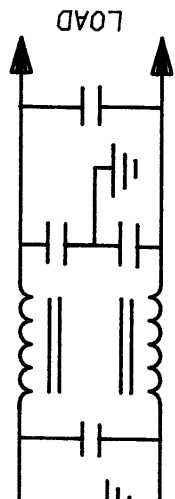
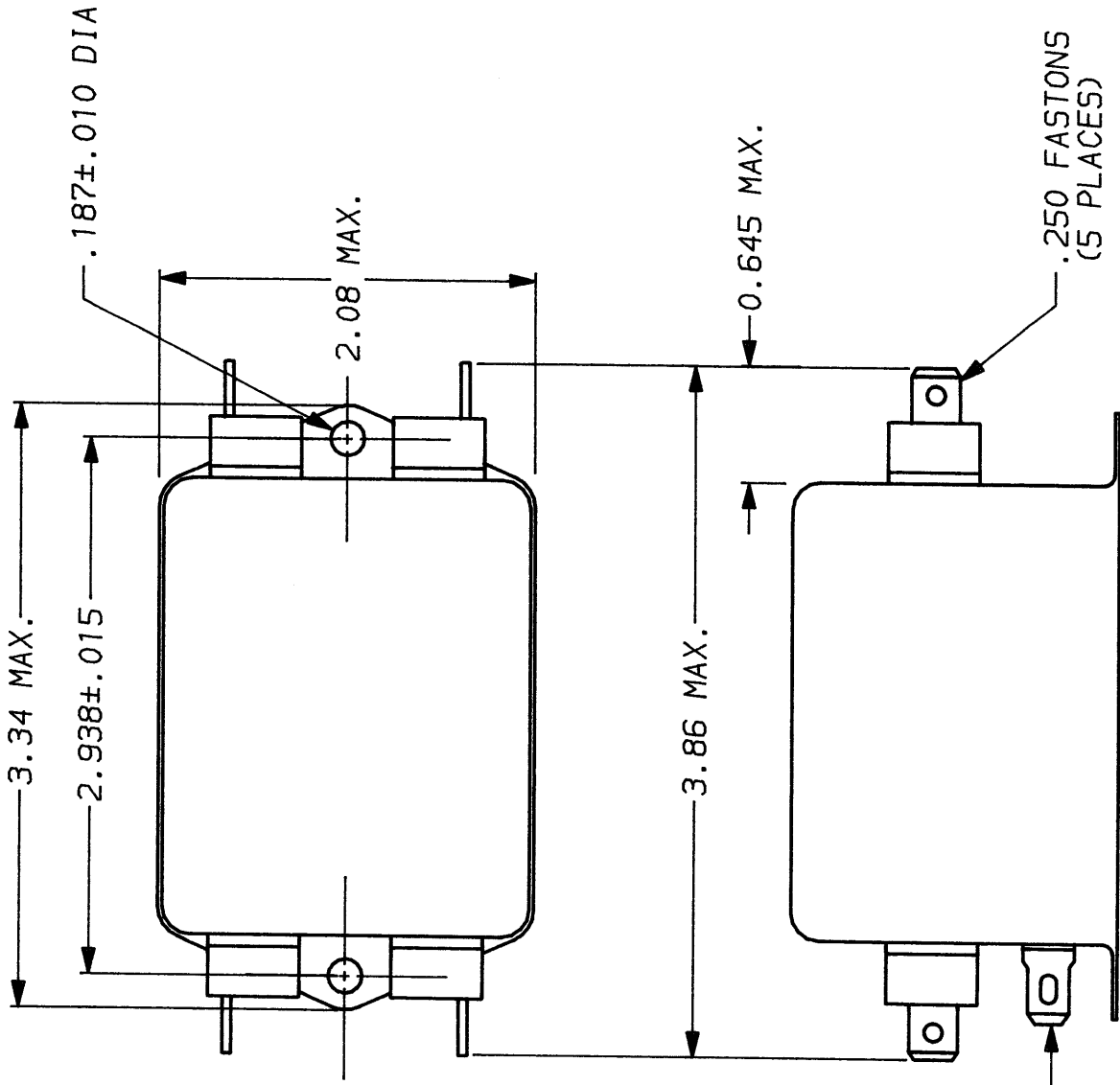
- LINES TO GROUND: 2250 VDC FOR 1 MINUTE
- LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

50 $\Omega$ - 50 $\Omega$ (MINIMUM)		INSERTION LOSS							
FREQUENCY MHz	.15	.2	.5	1	2	5	10	20	30
COMMON dB	20	22	30	45	60	65	65	61	54
DIFF. dB	30	46	65	65	65	60	55	38	38

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TOLERANCE EXCEPT AS NOTED  
 DECIMAL: .XXX .XX .X ANGLES ± 1°  
 ENGLISH: ±.025  
 METRIC: ± —  
 MATERIAL: AS SUPPLIED  
 FINISH: AS SUPPLIED

**CORCOM**  
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	9-12-89	6VW1	07
DRW. BY	ORIGINATOR		
TDL	CW		

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