

**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 APPROVAL PENDING  
 SEV APPROVAL PENDING

**OPERATING SPECIFICATIONS:**

- LINE VOLTAGE/CURRENT:  
 3 AMP., 120/250 VAC  
 2 AMP./40°C, 250 VAC
- LINE FREQUENCY:  
 50-60Hz  
 40°C
- MAX. CASE RISE  $\theta$  RATED CURRENT,  
 MAX. LEAKAGE CURRENT, EACH  
 LINE TO GROUND  
 2 $\mu$ A @ 120V 60 Hz  
 5 $\mu$ A @ 250V 50 Hz
- OPERATING AMBIENT TEMP. RANGE:  
 -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>

IN AN AMBIENT, I<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - I_0}{45}}$$

**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:  
 CAPACITANCE, (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
 32.18 mH NOMINAL  
 1.08 $\mu$ F ±20%
- LINE TO LINE:

- DISCHARGE RESISTOR  
 270 K $\Omega$
- LINE/GROUND AND LINE/LINE  
 5000 M $\Omega$  (MIN) AT 100 VDC
- INSULATION RESISTANCE  
 20°C AND 50% RH  
 (W/O DISCHARGE RESISTOR)

**RECOMMENDED RECEIVING INSPECTION HIPOIT.**

- 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.

**TOLERANCE EXCEPT AS NOTED**

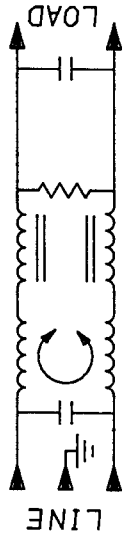
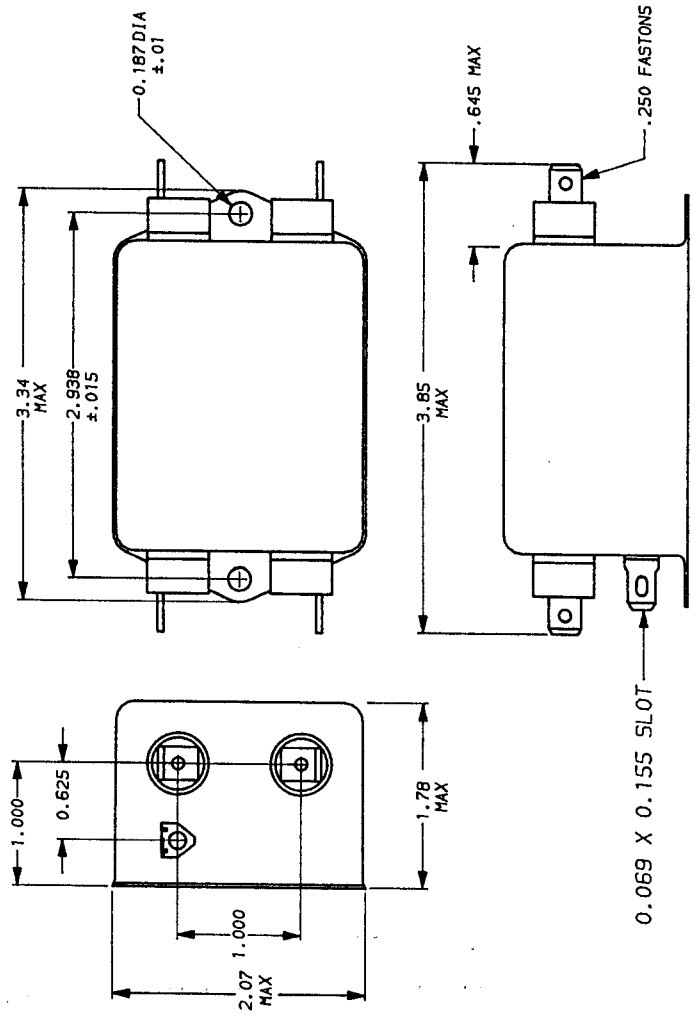
DECIMAL: .XXX .XX .X ANGLES  
 ENGLISH: ±.015  
 METRIC: ±

**MATERIAL:**

AS SUPPLIED

**FINISH:**

AS SUPPLIED



50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS	
FREQUENCY MHz	.01 .15 .2 .5 1 2 5 10 20 30
COMMON dB	25 50 49 48 40 40 30 23 17 13
DIFF. dB	1 68 75 75 75 72 70 65 60 60

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LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

SCALE N.T.S.	DATE 7-21-92	DRG. NO. 3EHQ1.00	REV.
DESIGNED BY CFW	CHECKED BY CFW		