

C. Westoby 5-26-92  
APPROVED BY/DATE

REV 1

**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 544
- CSA 22.2, NO. 0.0.4, 8
- VDE 565-3

**OPERATING SPECIFICATIONS:**

- LINE VOLTAGE/CURRENT: 3 AMP., 120/250 VAC
- LINE FREQUENCY: 3 AMP./40°C, 250 VAC 50-60Hz 40°C
- MAX. CASE RISE  $\theta$  RATED CURRENT: 2  $\mu$ A at 120V 60 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: 5  $\mu$ A at 250V 50 Hz
- 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:**

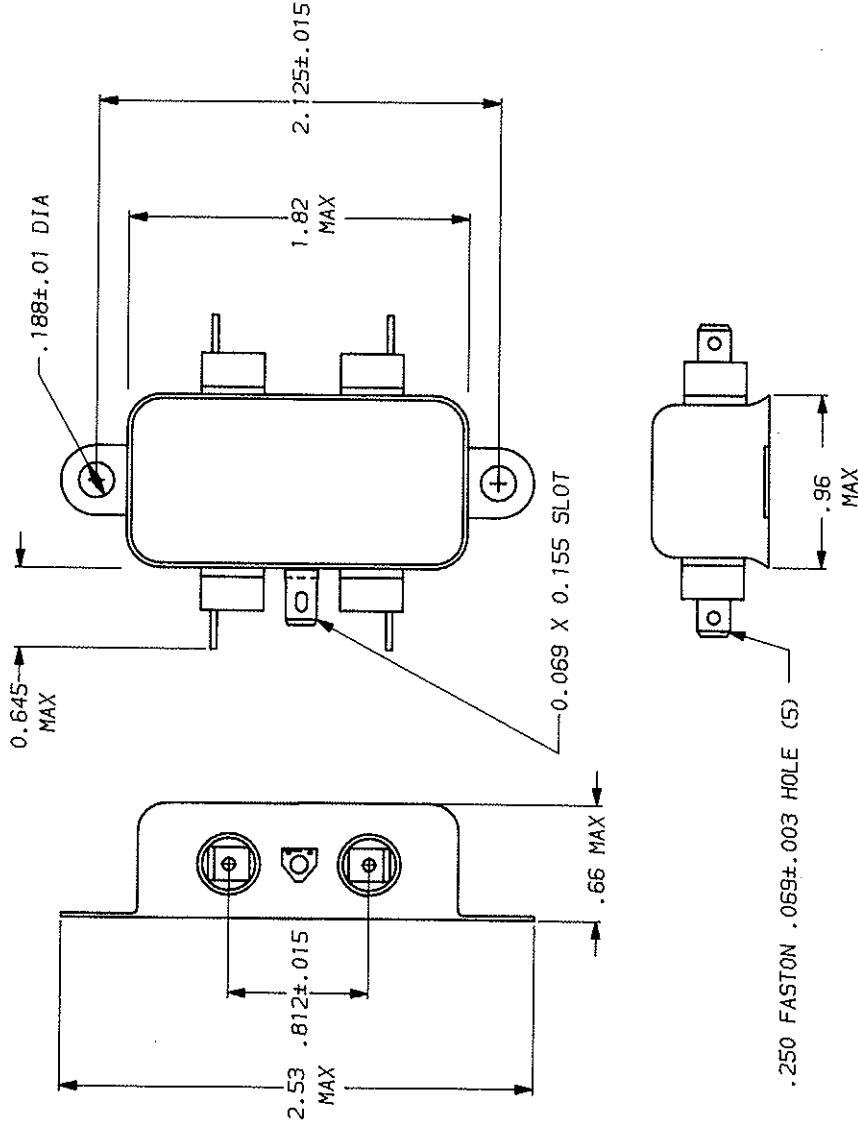
- INDUCTANCE: 1.0 mH NOMINAL
- CAPACITANCE, (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C  $\pm$ 1°C): .01  $\mu$ F  $\pm$ 20%
- DISCHARGE RESISTOR: 1.5  $M\Omega$
- LINE TO LINE: 6000  $M\Omega$  (MIN) AT 100 VDC
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE (W/O DISCHARGE RESISTOR) 20°C AND 50% RH

**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.



FREQUENCY MHz	50 $\mu$ - 50 $\mu$ (MINIMUM) INSERTION LOSS						
	.15	.5	1	5	10	20	30
COMMON	18	27	30	30	27	22	18
dB							

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LIBERTYVILLE, IL 60048

POWER LINE FILTER

AS SUPPLIED

FINISH: AS SUPPLIED

REV. 1  
DATE 9-12-89  
PART. OR TDL  
DW

3EH1.01

\*RESISTOR ADDED TO PRODUCT BUILT AFTER 3-30-92 (9212).