

C. Westby 5-26-92

APPROVED BY/DATE

REV

**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  
CSA 22.2, NO. 0, 0.4, 8  
VDE APPROVED (PENDING)

**OPERATING SPECIFICATIONS:**

LINE VOLTAGE/CURRENT:  
LINE FREQUENCY:  
MAX. LEAKAGE CURRENT, EACH  
LINE TO GROUND  
OPERATING AMBIENT TEMP. RANGE:

10 AMP., 120/250 VAC  
8 AMP./40°C, 250 VAC  
50-60Hz  
.25 mA @ 120V 60 Hz  
.48 mA @ 250V 50 Hz  
-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:**

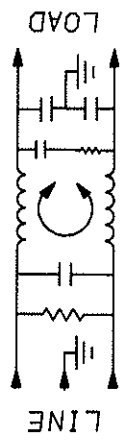
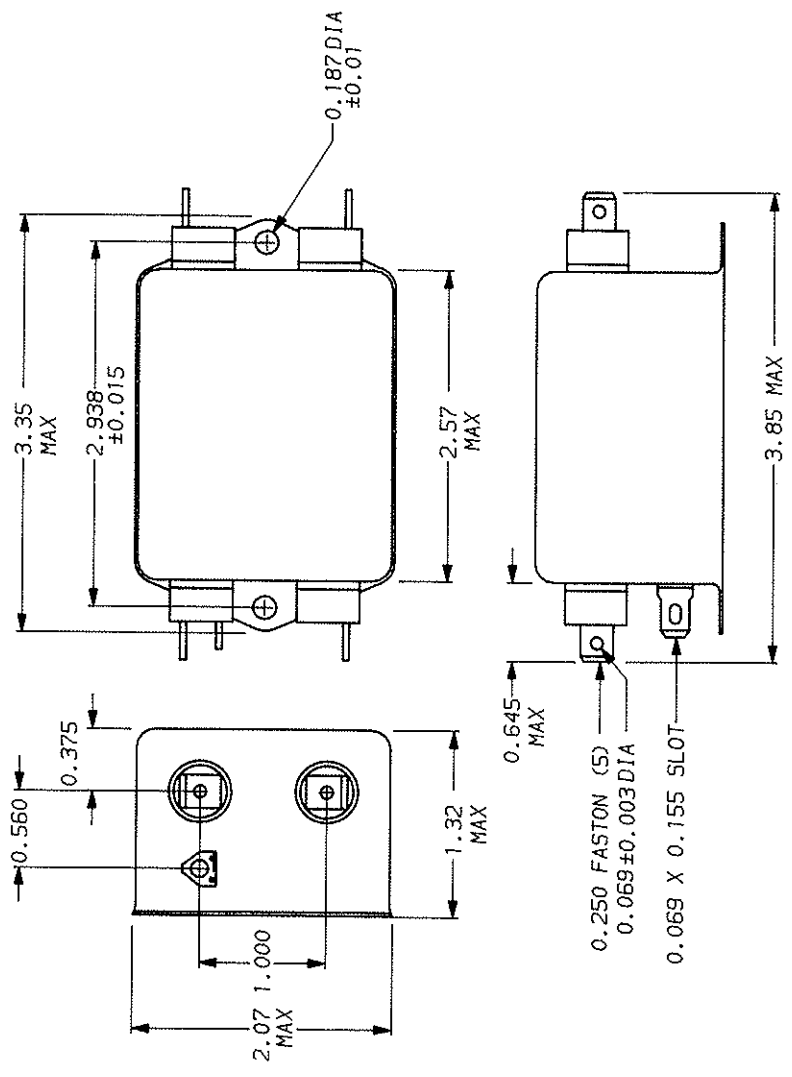
STORAGE TEMPERATURE:  
HUMIDITY:  
CURRENT OVERLOAD TEST:  
6 TIMES RATED CURRENT FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE:  
CAPACITANCE: MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
LINE TO GROUND,  
LINE TO LINE,  
DISCHARGE RESISTOR  
330KΩ  
INSULATION RESISTANCE  
5000 MΩ (MIN) AT 100 VDC  
20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

2250 VDC FOR 1 MINUTE  
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<br>MHz | 50a - 50a (MINIMUM) INSERTION LOSS |    |    |    |    |    |    |    |    |    |
|------------------|------------------------------------|----|----|----|----|----|----|----|----|----|
|                  | .15                                | .5 | 1  | 2  | 5  | 10 | 20 | 30 | 40 | 46 |
| COMMON           | 10                                 | 20 | 27 | 33 | 38 | 40 | 45 | 46 |    |    |
| DIFF.            | 20                                 | 43 | 55 | 62 | 70 | 72 | 60 | 60 |    |    |

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**corcom**  
LIBERTYVILLE, IL 60048

POWER LINE FILTER

|         |            |          |           |
|---------|------------|----------|-----------|
| SCALE   | DATE       | DRS. NO. | REV.      |
| NTS     | 11-5-90    |          | 10EDK1.01 |
| DRW. BY | ORIGINATOR | CFW      | CFW       |