

10AY01

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

**OPERATING SPECIFICATIONS:**

LINE VOLTAGE/CURRENT: 10 AMP, 120/250 VAC  
 10 AMP./40°C, 250 VAC  
 LINE FREQUENCY: 50-60Hz  
 MAX. LEAKAGE CURRENT, EACH: 2.0 mA AT 120V 60Hz  
 LINE TO GROUND: 3.0 mA at 250V 50Hz  
 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:**

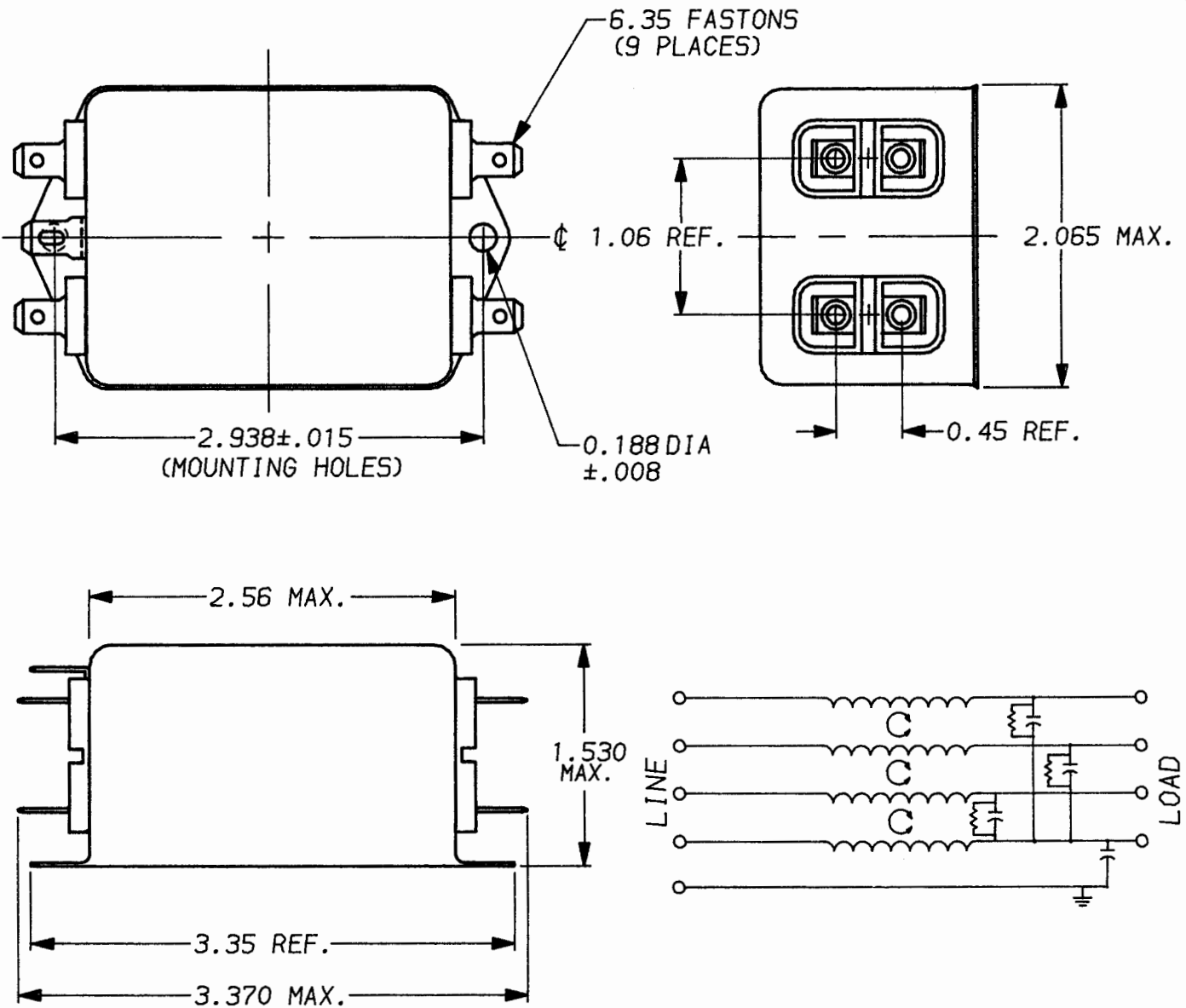
INDUCTANCE: .20 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 15000pF ±20%  
 LINE TO LINE: .10 µF ±20%  
 DISCHARGE RESISTOR: 1500KΩ  
 LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC  
 INSULATION RESISTANCE: 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINES TO GROUND: 1500 VAC 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.



**50n - 50n (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	.15	.5	1.0	5.0	10	30						
COMMON dB	-	-	5	16	28	15						
DIFF. dB	10	18	24	39	28	22						

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
 MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
 LIBERTYVILLE, IL 60048  
**POWER LINE FILTER**  
 DATE: 4-14-94 CATALOG NO.  
 APPROVD: *TAM* **10AY01**  
 CAD NO. **10AY01.00**

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