

# 6AY01

## 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 APPROVED

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

## OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 6 AMP, 120/250 VAC  
6 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, .45 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

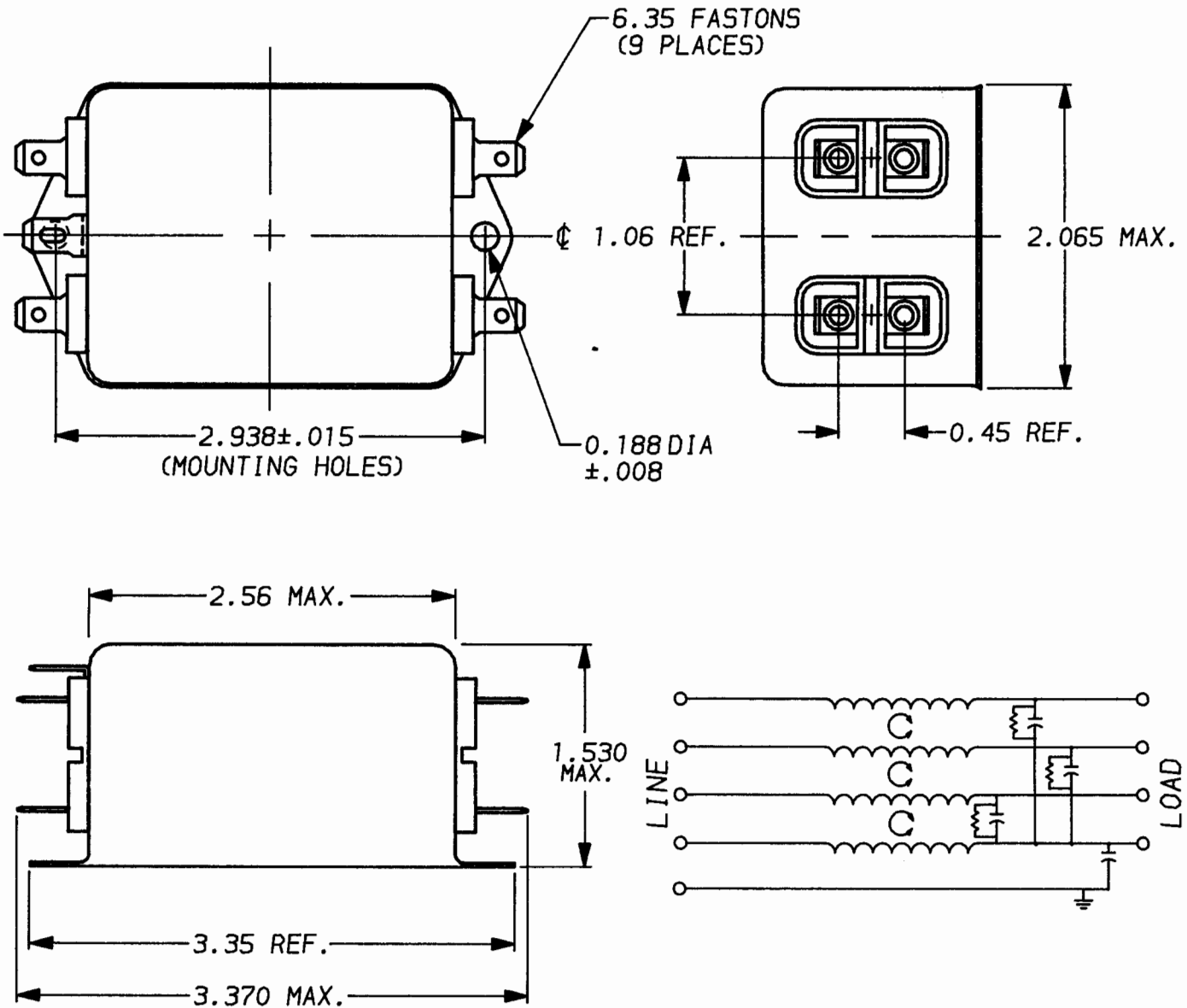
LINE/GROUND AND LINE/LINE, 6000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE, 20°C AND 50% RH

## 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.



### 50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.5	1.0	5.0	10	30				
COMMON dB	7	23	30	40	50	30				
DIFF. dB	10	18	24	31	28	28				

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.  
APPROV: *[Signature]* **6AY01**  
CAD NO. **6AY01.00**

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