

## SAFETY ORGANIZATIONS

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, #8  
VDE APPROVED: EN 133 200

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 AMP 120/250VAC  
10 AMP/40°C, 250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND:

|           |           |
|-----------|-----------|
| 0.22 mA @ | 120V 60Hz |
| 0.38 mA @ | 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  $I_r$  FOR 8 SECONDS

## TEST SPECIFICATIONS:

INDUCTANCE: 0.35 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0059µF ±20%  
LINE TO LINE: 0.1015µF ±20%  
DISCHARGE RESISTOR: 1.5M Ω  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

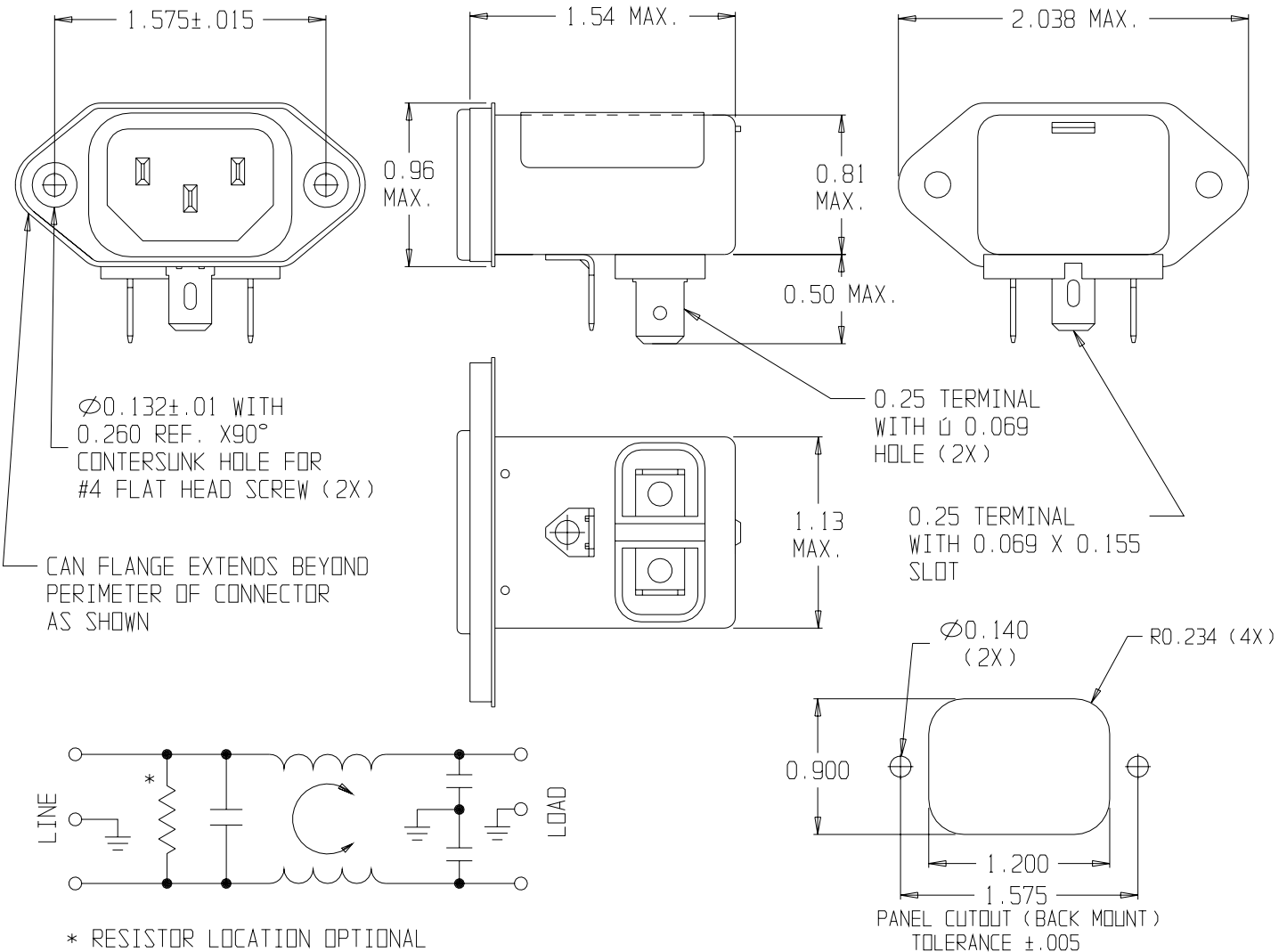
LINE TO GROUND: 1500 VAC OR 2250 VDC FOR 1 MINUTE  
LINE TO LINE: 1450 VDC FOR 1 MINUTE

## FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

## CATALOG #10EEJ2

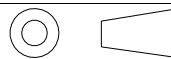
| ECN #        | APPRVD. | DATE    |
|--------------|---------|---------|
| 0631-0174-03 | PJ      | 05MAY03 |



## 50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .01 | .05 | .10 | .15 | .50 | 1  | 5  | 10 | 30 |  |  |  |
|------------------|-----|-----|-----|-----|-----|----|----|----|----|--|--|--|
| COMMON<br>dB     | -   | 1   | 4   | 7   | 14  | 18 | 31 | 36 | 51 |  |  |  |
| DIFF.<br>dB      | -   | -   | 5   | 8   | 17  | 21 | 23 | 36 | 38 |  |  |  |

THIRD ANGLE  
PROJECTION



UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED

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## POWER LINE FILTER

|                          |                   |             |
|--------------------------|-------------------|-------------|
| CAD FILE: G:\CD\10EEJ202 | TYCO: 1-1609006-4 | REV.        |
| SCALE: NTS               | DATE: 02-20-02    | CATALOG NO. |
| DRW. BY: PJ              | DRIG: PJ          | 10EEJ2      |
|                          |                   | 2           |