

## 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, 120/250 VAC,  
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,

EACH LINE TO GROUND: 2μA @120V 60Hz  
5μA @250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT,  $I_r$ .

IN AN AMBIENT,  $T_0$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_0$ , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

## 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: NONE  
LINE TO LINE: 0.10 μF ±20%  
DISCHARGE RESISTOR: 1.5 MΩ  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
20°C AND 50% RH

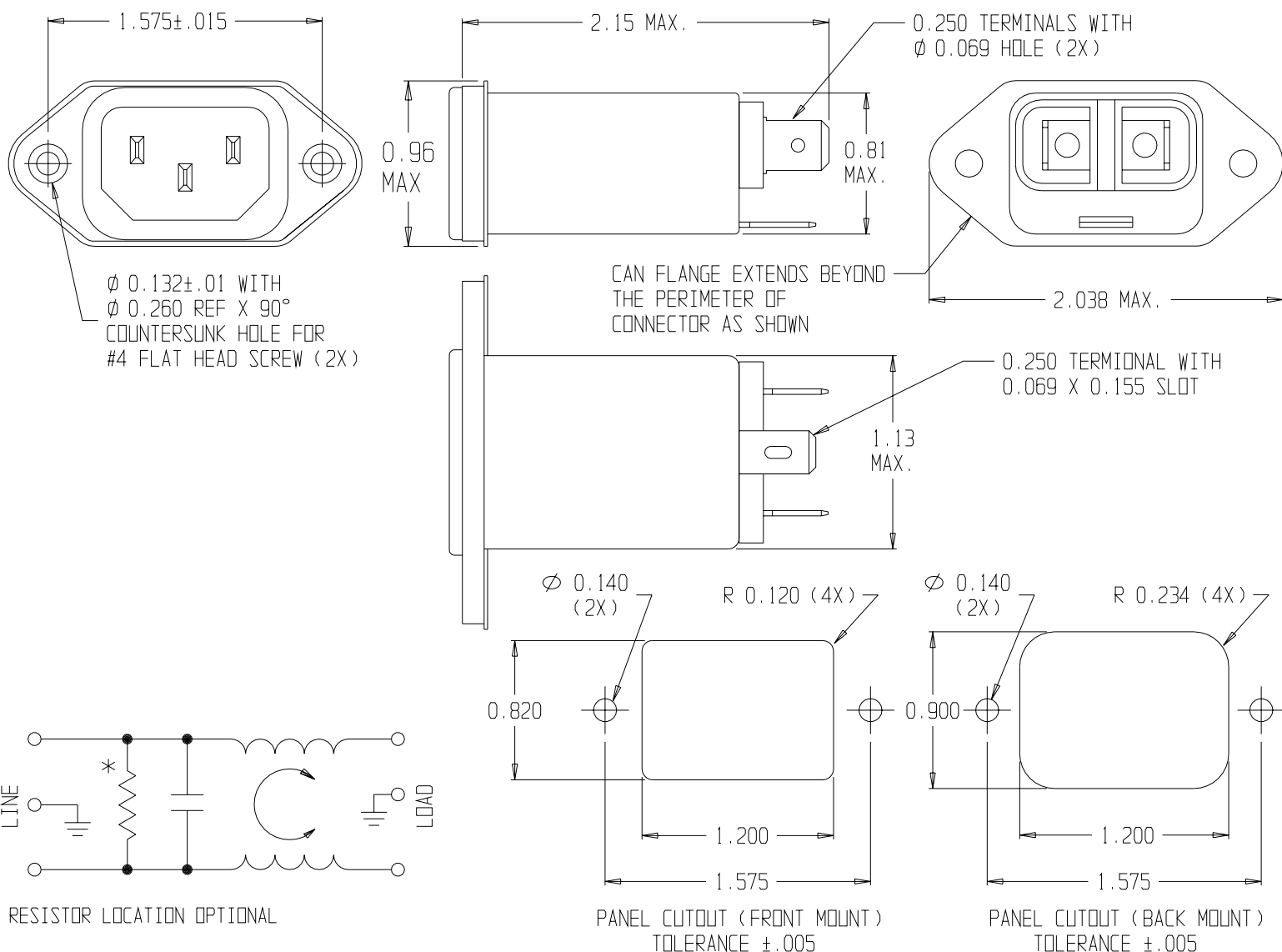
## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
LINE TO LINE: 1450VDC 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 # 10EJH1 |         |         |
|------------------|---------|---------|
| ECN #            | APPRVD. | DATE    |
| 0631-0174-03     | PJD     | 05MAY03 |



## 50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .05 | .10 | .15 | .50 | 1  | 5  | 10 | 30 |  |  |  |
|------------------|-----|-----|-----|-----|----|----|----|----|--|--|--|
| COMMON<br>dB     | 1   | 4   | 7   | 12  | 17 | 19 | 18 | 18 |  |  |  |
| DIFF.<br>dB      | -   | 5   | 8   | 17  | 22 | 32 | 30 | 30 |  |  |  |

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\10EJH102 | TYCO: 0-1609008-4 | REV.        |
| SCALE: NTS               | DATE: 10-17-01    | CATALOG NO. |
| DRW. BY: SD              | DRIG: PJD         | 10EJH1      |
|                          |                   | 2           |