

## 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, # 0.0.4.8  
VDE APPROVED: EN 133 200

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 15 AMP, 120/250 VAC,  
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 19.2  $\mu$ A @ 120V 60Hz  
33.2  $\mu$ A @ 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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

## 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: N/A mH  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 220pF ± 20%  
LINE TO LINE: N/A  
DISCHARGE RESISTOR: N/A  
L/G AND L/L I.R.: N/A  
NO DISCHARGE RESISTOR: 6000M $\Omega$  (MIN.) @ 100VDC,  
20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

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

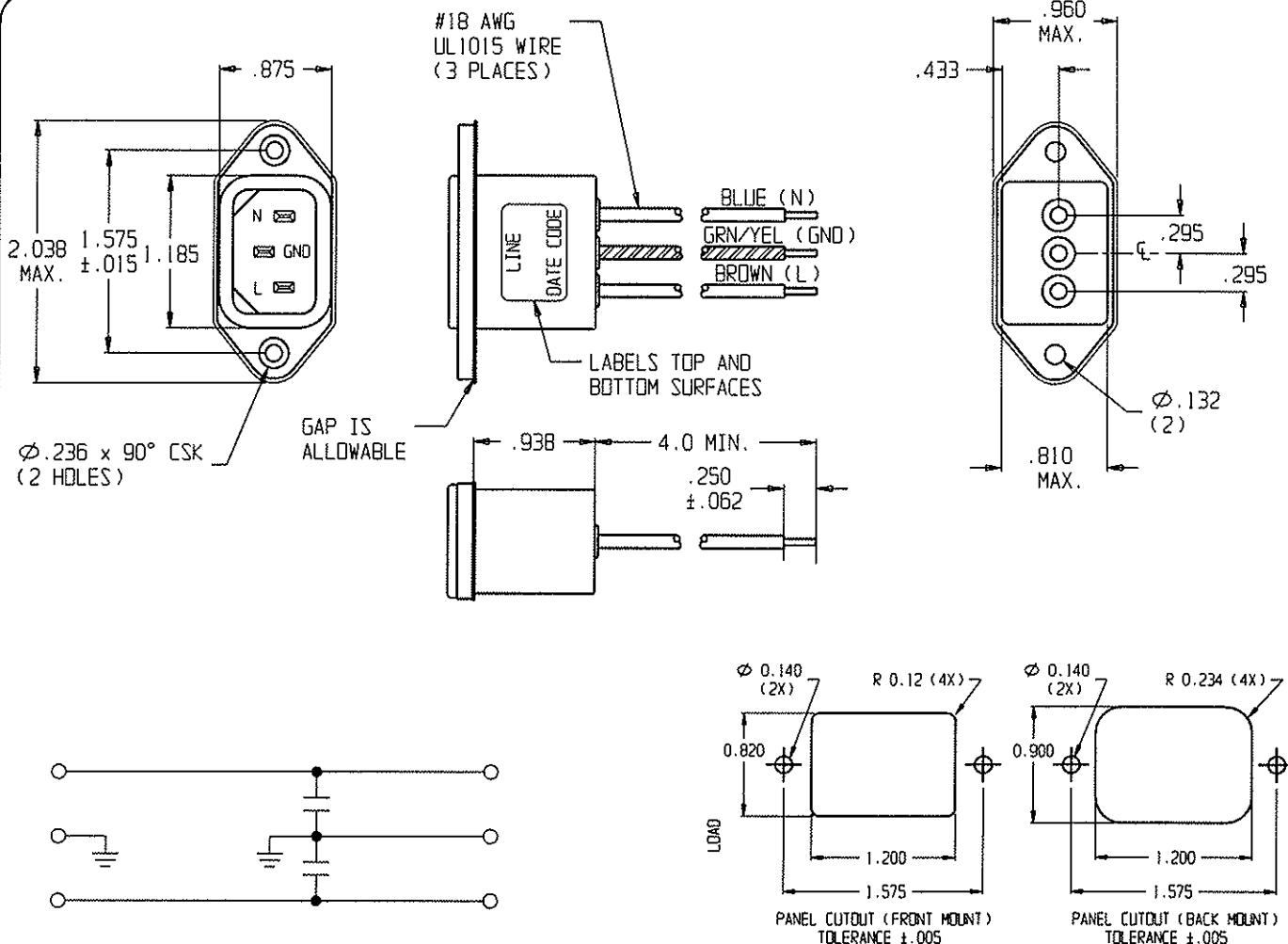
## FILTER APPROVAL:

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

## CUSTOMER DRAWING

CATALOG # 15SRB8-S

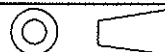
| ECN # | APPROV. | DATE    |
|-------|---------|---------|
|       | PJD     | 08NOV08 |



## 50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | 1.0 | 5.0 | 10 | 50 | 100 | 300 |
|------------------|-----|-----|----|----|-----|-----|
| COMMON<br>dB     | /   | /   | 1  | 6  | 17  | 19  |
| DIFF.<br>dB      | /   | /   | /  | /  | /   | /   |

## THIRD ANGLE PROJECTION



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

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## POWER LINE FILTER

|                                           |              |               |             |      |
|-------------------------------------------|--------------|---------------|-------------|------|
| TYCO ELECTRONICS PART NUMBER: 1-6609987-2 | SCALE: .75:1 | DATE: 18JAN08 | CATALOG NO. | REV. |
| DRW. BY: SD                               | DRTG: PJD    |               | 15SRB8-S    | 1    |