

**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: 0.07 mA @ 120V 60Hz  
 0.13 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

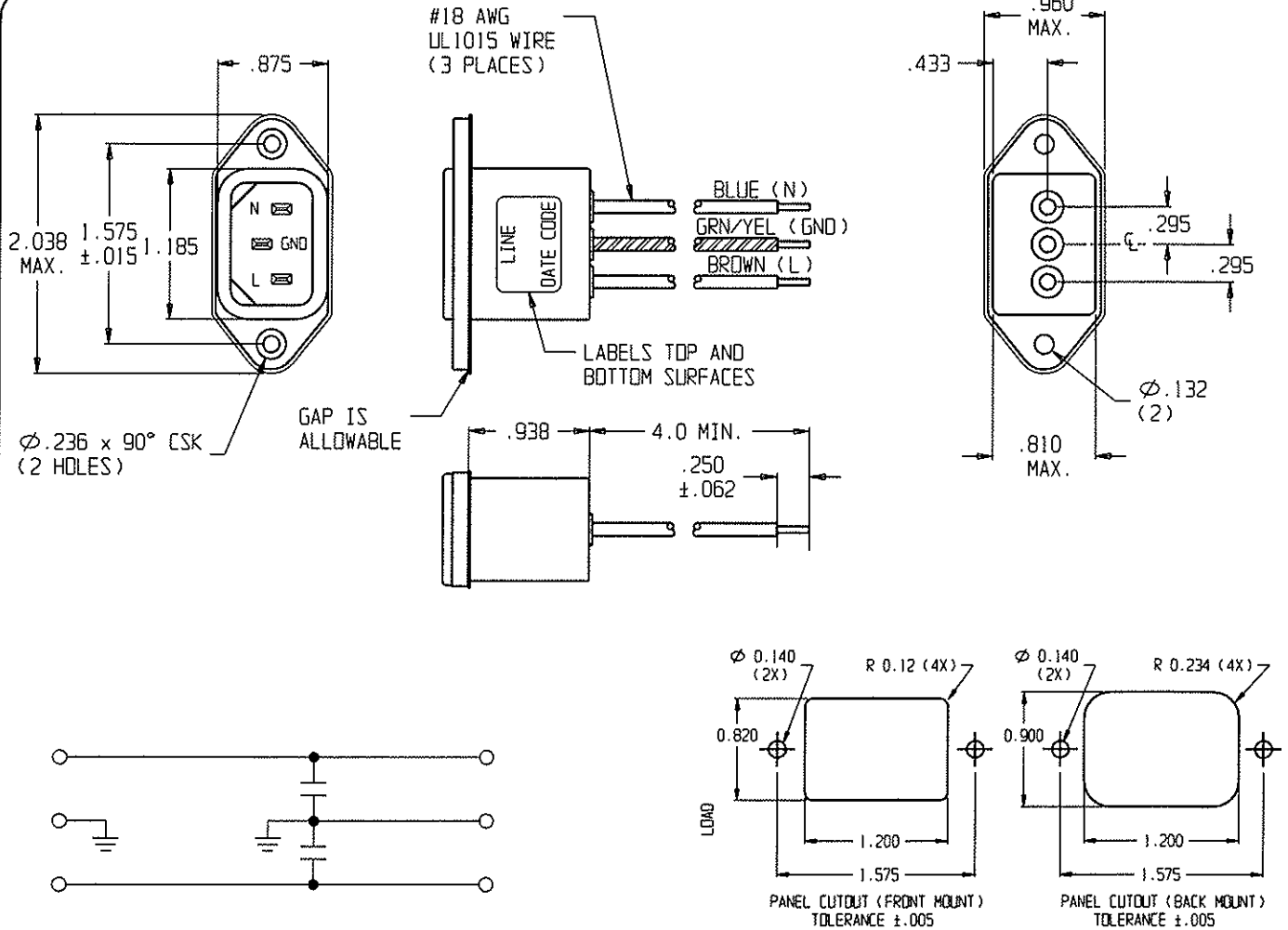
INDUCTANCE: N/A mH  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 1000pF ± 20%  
 LINE TO LINE: N/A  
 DISCHARGE RESISTOR: N/A  
 L/G AND L/L I.R.: N/A  
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
 20°C AND 50% RH

**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.



| 50Ω - 50Ω (MINIMUM) INSERTION LOSS |     |     |    |    |     |     | THIRD ANGLE PROJECTION  |  | <br><b>Tyco Electronics</b><br>CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELIN JL 60060 |   |               |                      |        |
|------------------------------------|-----|-----|----|----|-----|-----|---|--|--|---|---------------|----------------------|--------|
| FREQUENCY MHz                      | 1.0 | 5.0 | 10 | 50 | 100 | 300 | UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025   |  |  | POWER LINE FILTER                         |               |                      |        |
| COMMON dB                          | /   | 5   | 9  | 25 | 10  | 17  | MATERIAL & FINISH: AS SUPPLIED  |  |  | TYCO ELECTRONICS PART NUMBER: 1-6609987-5 |               |                      |        |
| DIFF. dB                           | /   | /   | /  | /  | /   | /   | THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. HARRISBURG, PENNSYLVANIA USA |  |  | SCALE: .75:1                              | DATE: 18JAN06 | CATALOG NO. 15SRB8-X | REV. 1 |
|                                    |     |     |    |    |     |     | DRW. BY: SD   |  | ORIG: PJD  |   |               |                      |        |