

**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: 9.6µA @ 120V 60Hz  
 16.6µA @ 250V 50Hz

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

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

**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: 100pF ± 20%  
 LINE TO LINE: N/A  
 DISCHARGE RESISTOR: N/A  
 L/G AND L/L I.R.: N/A  
 NO DISCHARGE RESISTOR: 600MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

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

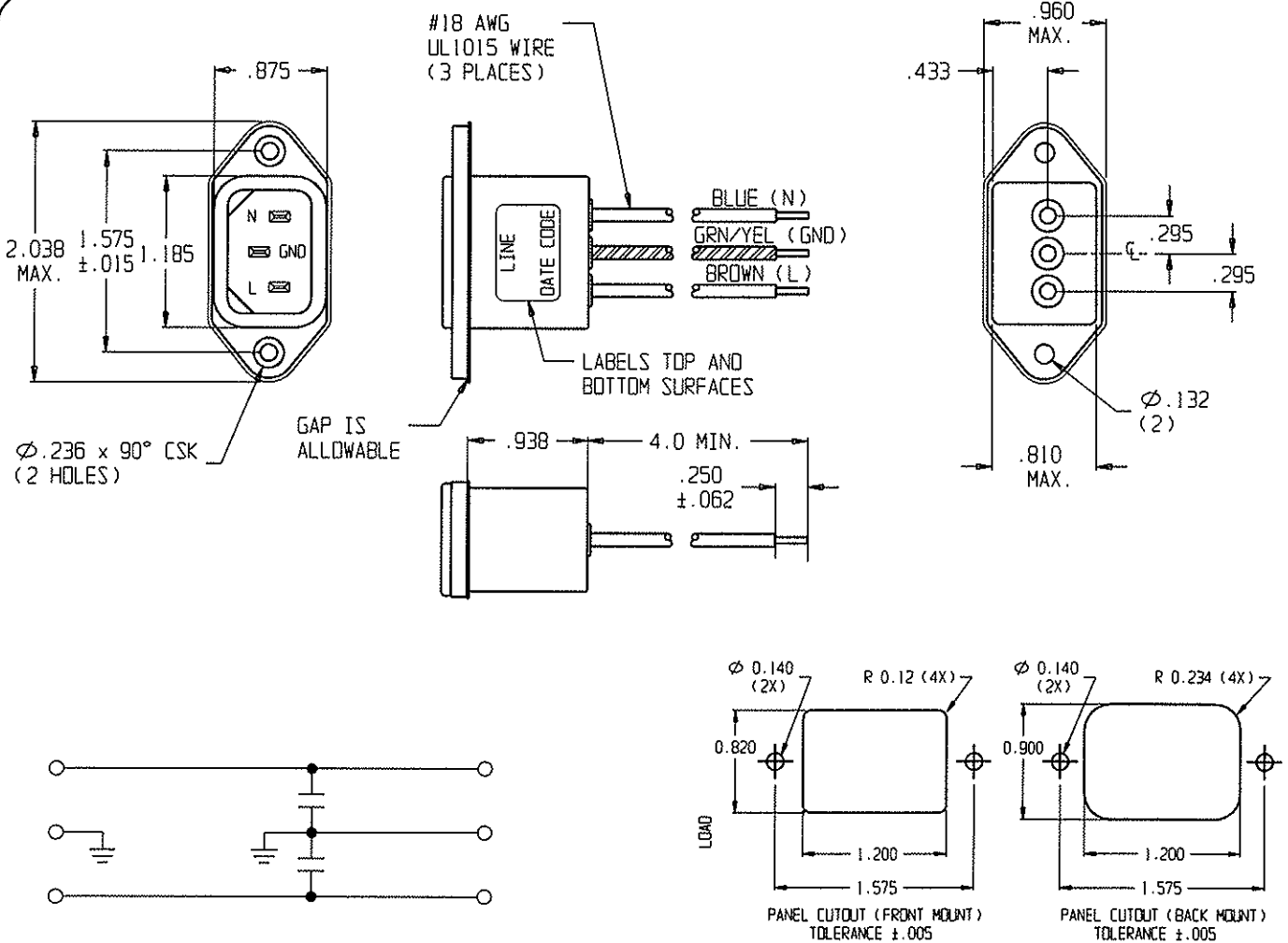
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

**CATALOG # 15SRB8-R**

ECN #	APPROV.	DATE
	PJO	08NOV07



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

FREQUENCY MHz	1.0	5.0	10	50	100	300
COMMON dB	/	/	/	3	6	22
DIFF. dB	/	/	/	/	/	/

**THIRD ANGLE PROJECTION**

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

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 HARRISBURG, PENNSYLVANIA USA

**Tyco Electronics**  
 CORCOM PRODUCTS, 620 S. BUTTERFIELD RD. MANDELJEIN, IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NUMBER: I-6609987-1

SCALE: .75:1 DATE: 18JAN06 CATALOG NO. 15SRB8-R REV. 1

DRW. BY: SD DRG: PJO

# Mouser Electronics

Authorized Distributor

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[15SRB8-R](#)