

**CUSTOMER DRAWING**

**CATALOG # 15SRBX8-X**

ECN #	APPRVD.	DATE
08-010107	ELC	08MAY08

**SAFETY ORGANIZATIONS**

THIS FILTER IS A VERSION OF THE 15SRB8-X, WHICH HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

- UL RECOGNIZED: UL 1283 (REF. 15SRB8-X)
- CSA CERTIFIED: CSA 22.2, NO. 8 (REF. 15SRB8-X)
- VDE APPROVED: EN 60939-2 (REF. 15SRB8-X)

**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: 70 μA @120V 60Hz  
130 μA @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:**

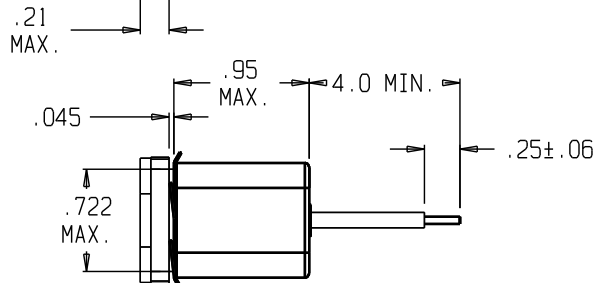
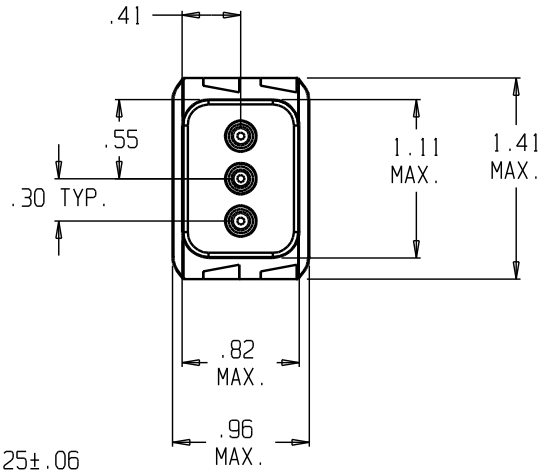
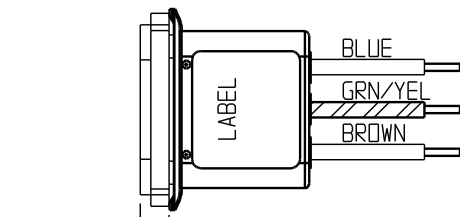
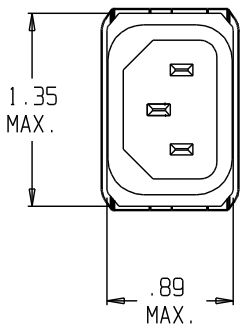
INDUCTANCE: 0 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 1000 pF ±20%  
LINE TO LINE: 0.0 pF  
DISCHARGE RESISTOR: NONE  
L/G AND L/L I.R. NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

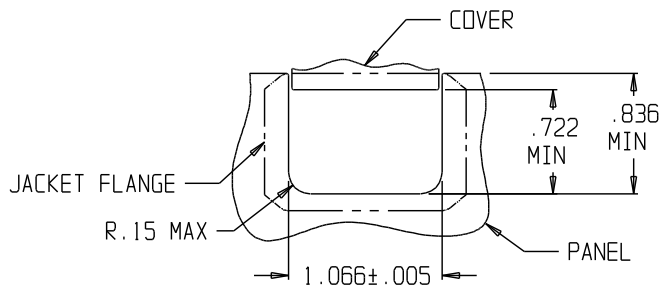
LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
LINE TO LINE: 1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

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

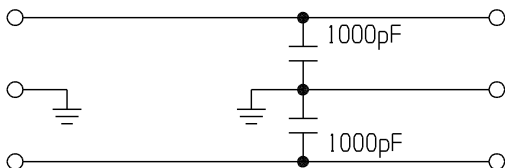


ENGAGE PANEL EDGE HERE



ACCEPTABLE PANEL THICKNESS: .039±.005

PANEL CUTOUT



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

FREQUENCY MHz	/	/	/	/	/	1	5	10	50	100	300
COMMON dB	/	/	/	/	/	/	5	9	25	10	17
DIFF. dB	/	/	/	/	/	/	/	/	/	/	/

THIRD ANGLE PROJECTION

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

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**Tyco Electronics**

CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO.		6-1609987-2	
SCALE: NTS	DATE: 20DEC07	CATALOG NO.	REV.
DRW. BY: SD	DRG: ELC	<b>15SRBX8-X</b>	<b>2</b>