

**CUSTOMER DRAWING**

**CATALOG # 20SRB8-X**

ECN#	APPRVD	DATE
15-000476	TAM	19OCT15

**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 C22.2 No. 8
- VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC,  
16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.07mA @ 120V 60Hz  
0.03mA @ 250V 50Hz

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

**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:**

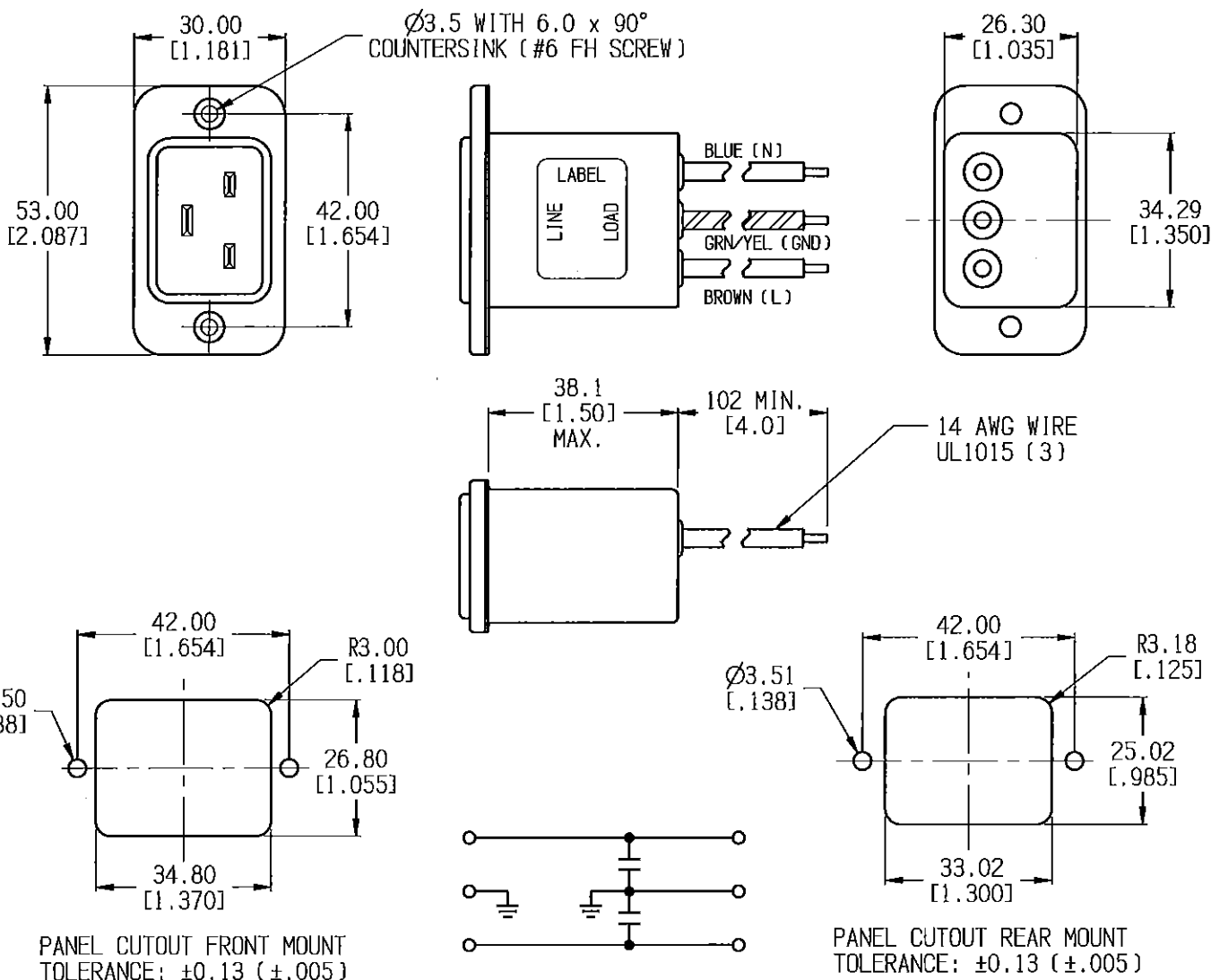
INDUCTANCE: N/A mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 1000 pF±20%  
LINE TO LINE: N/A pF±20%  
DISCHARGE RESISTOR: N/A MΩ  
L/G AND L/L I.R. NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 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										
FREQUENCY MHz	5	10	50	100	300	/	/	/	/	/
COMMON dB	5	9	25	10	17	/	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/

SHEET SIZE: **A** **THIRD ANGLE PROJECTION**

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PARTS SHALL COMPLY WITH TYCO ELECTRONICS 136-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED  
TOLERANCE TO BE  $\pm 0.64$   
MATERIAL & FINISH: AS SUPPLIED  
DIMENSIONS IN MILLIMETERS

**TE** TE Connectivity

**POWER LINE FILTER**

TE PART NO.: 5-1609152-6

SCALE: 3/4	DATE: 14AUG14	DRAWING NUMBER: 20SRB8-X	REV. 1
DRW. BY: LJD	ORIG: TAM		

20SRB8-X 1.cxd