

**CUSTOMER DRAWING**

**CATALOG # 20SRB1-Y**

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: 0.16mA @ 120V 60Hz  
0.28mA @ 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:**

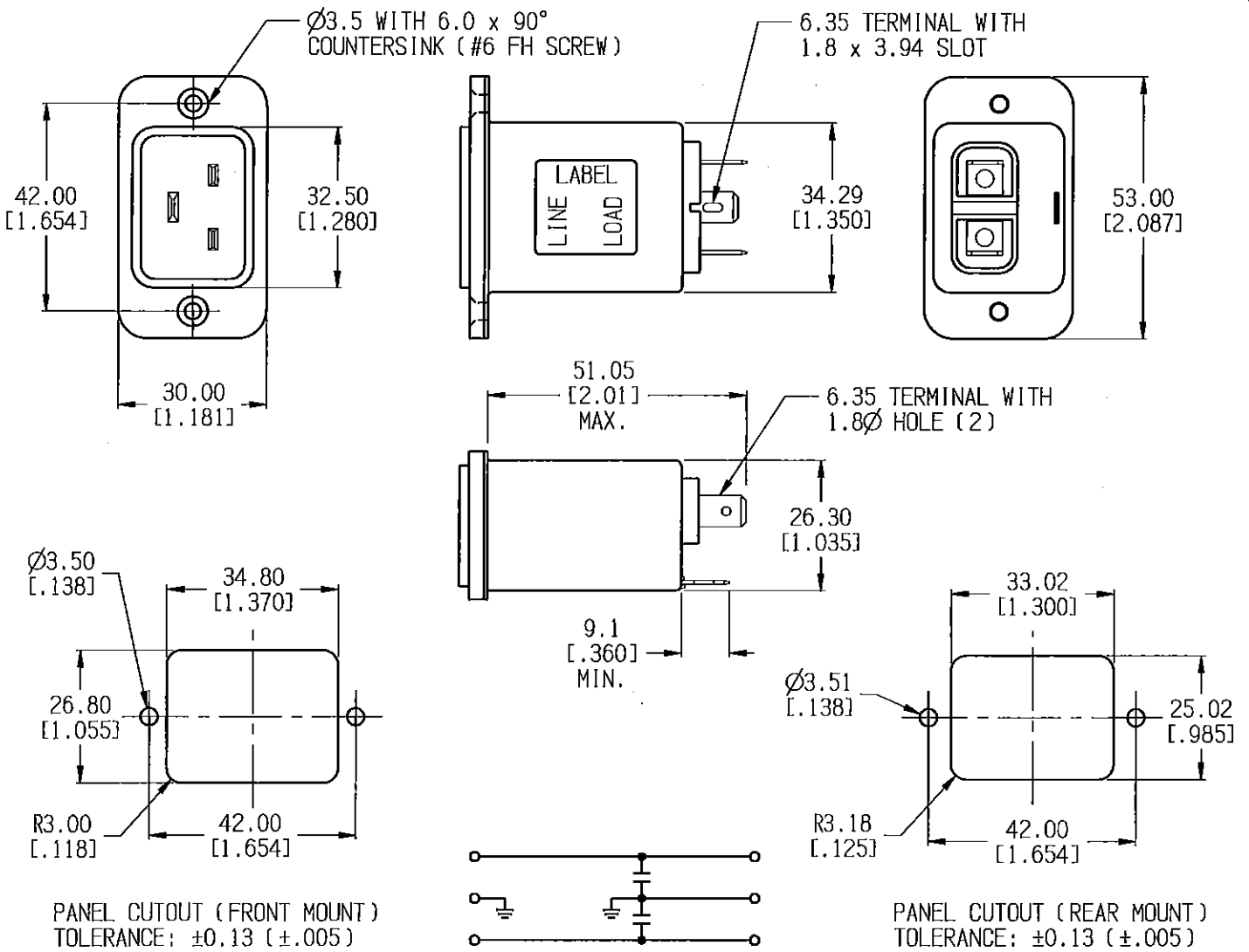
INDUCTANCE: N/A  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 2200 pF±20%  
LINE TO LINE: N/A μF±20%  
DISCHARGE RESISTOR: N/A MΩ  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**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	1	5	10	50	100	300	/	/	/	/
COMMON dB	1	10	15	20	8	22	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES  
UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.64 MATERIAL & FINISH: AS SUPPLIED DIMENSIONS IN MILLIMETERS

NOTES:

**TE Connectivity**

**POWER LINE FILTER**

TE PART NO.: 5-1609152-3

SHEET SIZE: **A** THIRD ANGLE PROJECTION  
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SCALE: 3/4 DATE: 14AUG14 DRAWING NUMBER: 20SRB1-Y REV. 1  
DRY. BY: LJO DTG: TAM

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