CUSTOMER DRAWING		
CATALOG # 15SRBX8-Q		
ECN #	APPRVD.	DATE
08-010107	ELC	08MAY08

SAFETY ORGANIZATIONS

THIS FILTER IS A VERSION OF THE 15SRB8-Q, 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-Q)
CSA CERTIFIED: CSA 22.2, NO. 8	(REF. 15SRB8-Q)
VDE APPROVED: EN 60939-2	(REF. 15SRB8-Q)

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: 2.1 µA @ 120V 60Hz
3.65 µA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, 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_r FOR 8 SECONDS

TEST SPECIFICATIONS:

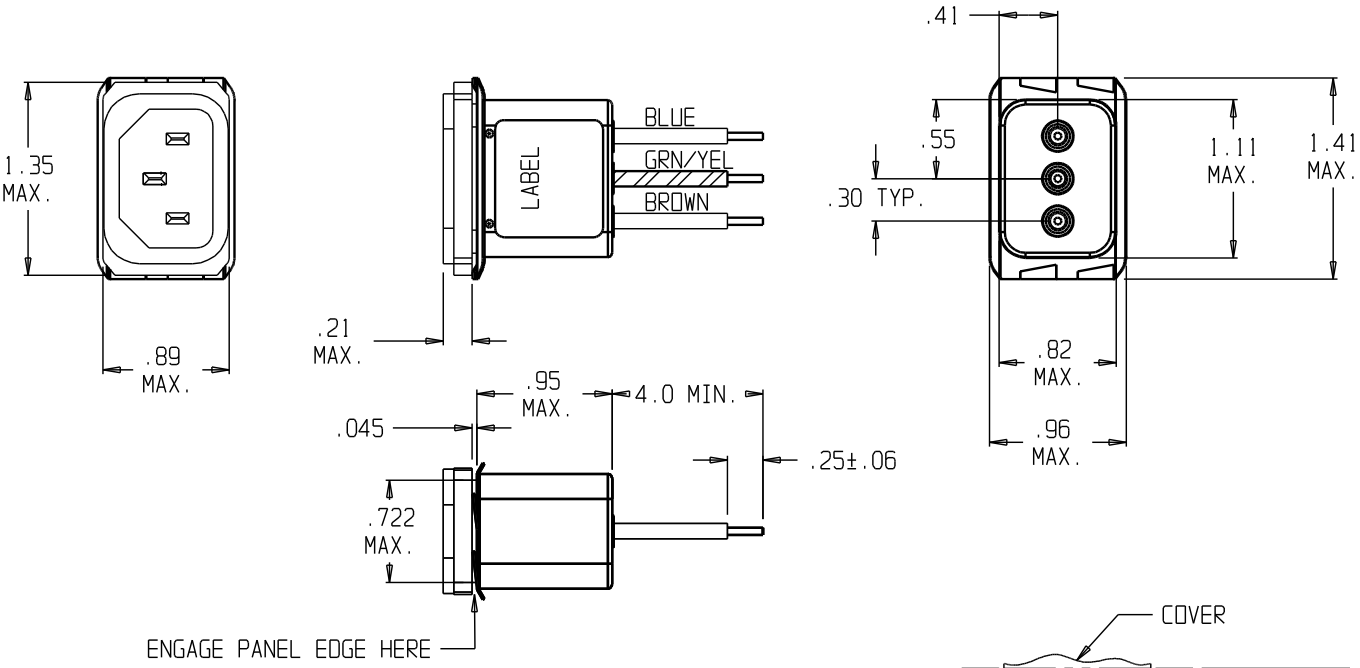
INDUCTANCE: 0 mH NOMINAL
CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 33 pF ±20%
LINE TO LINE: 0.0 pF
DISCHARGE RESISTOR: NONE
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

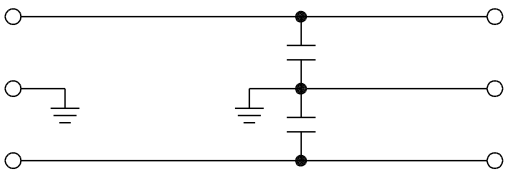
RECOMMENDED RECEIVING INSPECTION HIPOT:

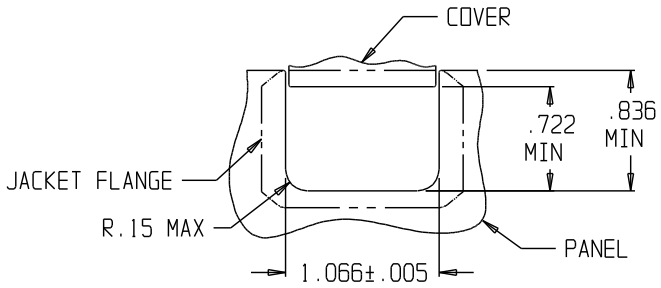
LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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







ACCEPTABLE PANEL THICKNESS: .039±.005

PANEL CUTOUT

50Ω- 50Ω(MINIMUM) INSERTION LOSS

FREQUENCY MHz	1	5	10	50	200	300					
COMMON dB	/	/	/	/	18	20	/	/	/	/	/
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. MUNDELEIN IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 5-1609987-7

SCALE:	DATE:	CATALOG NO.	REV.
NTS	11JAN08	15SRBX8-Q	2
DRW. BY: SD	DRIG: ELC		