

SAFETY ORGANIZATIONS

THIS FILTER IS A VERSION OF THE 15SRB8-R, 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-R)
 CSA CERTIFIED: CSA 22.2, NO. 8 (REF. 15SRB8-R)
 VDE APPROVED: EN 6093000 (REF. 15SRB8-R)

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: 9.6 μ A @120V 60Hz
 16.6 μ A @250V 50Hz

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

IN AN AMBIENT, T_0 , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0 , 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_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 0 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C \pm 1°C)
 LINE TO GROUND: 100 pF \pm 20%
 LINE TO LINE: 0.0 pF
 DISCHARGE RESISTOR: NONE
 L/G AND L/L I.R.:
 NO DISCHARGE RESISTOR: 6000M Ω (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

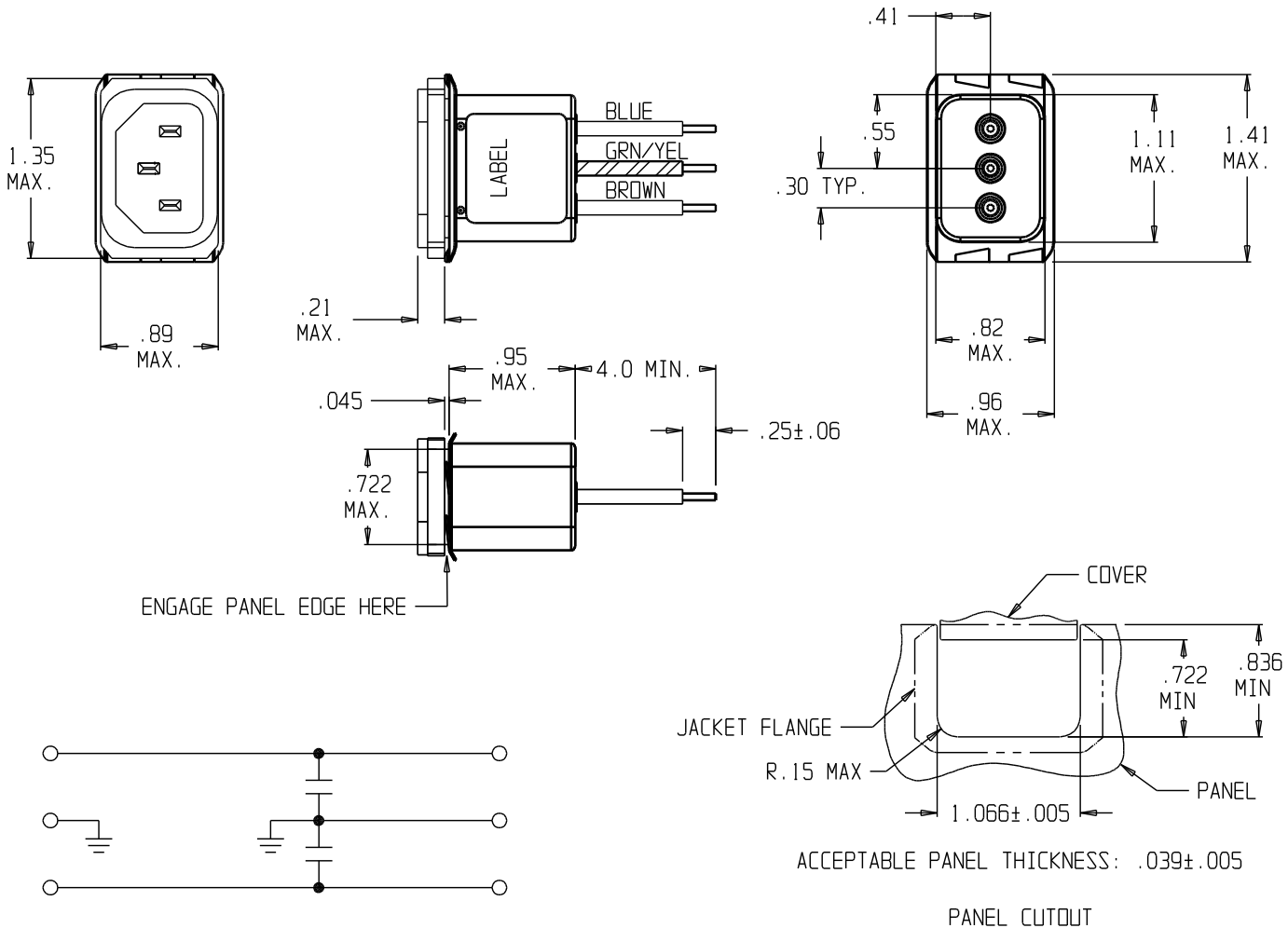
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 15SRBX8-R

ECN #	APPRVD.	DATE
08-010107	ELC	08MAY08



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	1	5	10	50	100	300				
COMMON dB	/	/	/	3	6	22	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/

THIRD ANGLE
 PROJECTION



UNLESS OTHERWISE SPECIFIED,
 TOLERANCE TO BE \pm .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.		5-1609987-8	
SCALE:	NTS	DATE:	11JAN08
DRW. BY:	SD	DRG:	ELC
CATALOG NO.		15SRBX8-R	
REV.		2	

Mouser Electronics

Authorized Distributor

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