

## 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: 2μA @ 120V 60Hz  
5μA @ 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

## 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: 0.306mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: NONE μF±20%  
LINE TO LINE: 0.100 μF±20%  
DISCHARGE RESISTOR: 1.0 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

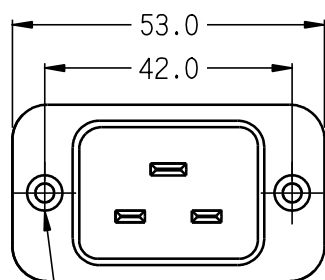
## FILTER APPROVAL:

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

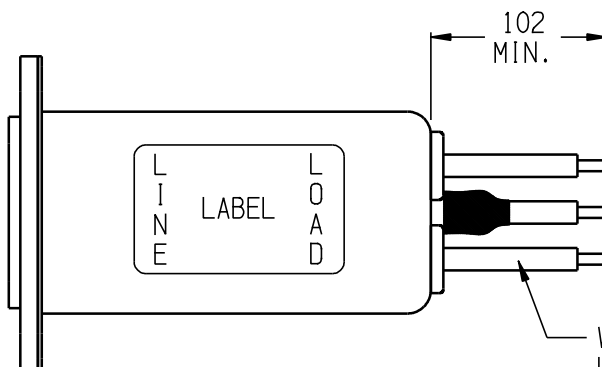
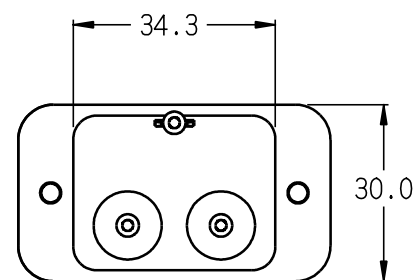
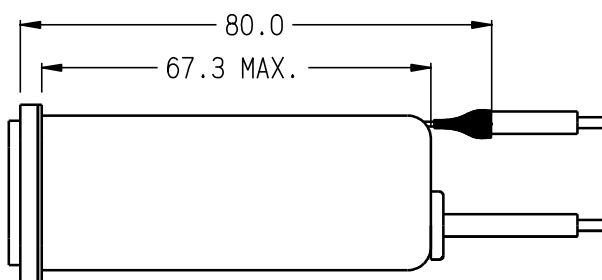
## CUSTOMER DRAWING

CATALOG # 20EJH8

ECN#	APPRVD	DATE
12-004115	PJO	28MAR12

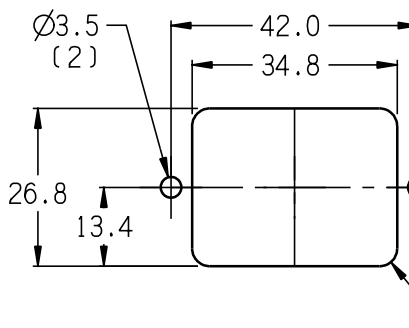
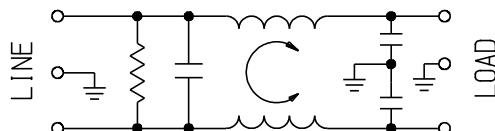


3.2Ø WITH  
6.0 x 90°  
COUNTERSINK  
FOR #4 FLAT  
HEAD SCREW (2)

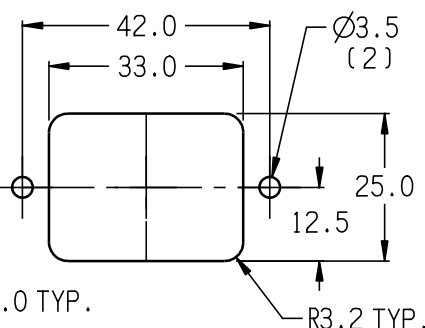


BLUE (NEUTRAL)  
GREEN/YELLOW (GROUND)  
BROWN (LINE)

WIRE #14 AWG  
UL 1015 (3)



PANEL CUTOUT FRONT MOUNT  
TOLERANCE ±.13



PANEL CUTOUT REAR MOUNT  
TOLERANCE ±.13

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

FREQUENCY MHz	0.1	.15	.5	1	3	5	10	30	/	/	/	/
COMMON dB	3	5	14	16	13	12	11	11	/	/	/	/
DIFF. dB	5	8	19	24	25	35	33	28	/	/	/	/

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** TE Connectivity

## POWER LINE FILTER

TE PART NO.: 0-6609009-5

SCALE:	DATE:	DRAWING NUMBER:	REV.
3/4	12DEC01	20EJH8	4
DRW. BY:	DRTG:		
LJD	PJO		