

### 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:  
 0.20mA @ 120V 60Hz  
 0.40mA @ 250V 50Hz

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

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING

CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR 8 SECONDS

### TEST SPECIFICATIONS:

INDUCTANCE: 0.306mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.005524 μF±20%  
 LINE TO LINE: 0.1014 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

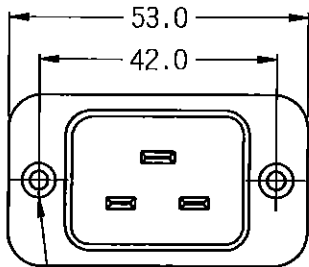
### FILTER APPROVAL:

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

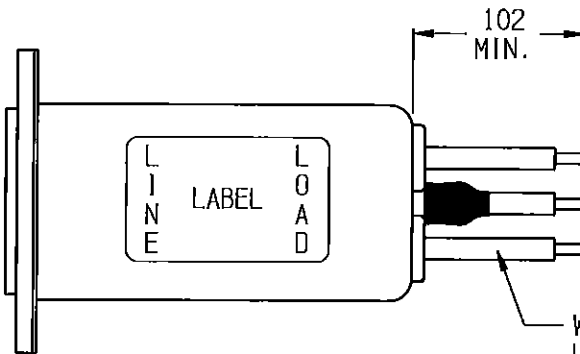
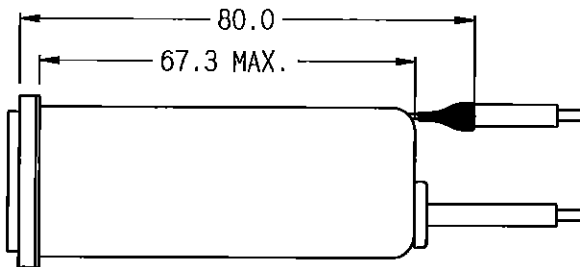
### CUSTOMER DRAWING

CATALOG # 20EEJ8

ECN#	APPRVD	DATE
12-004115	PJO	28MAR12

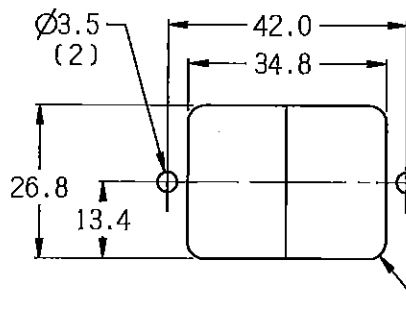
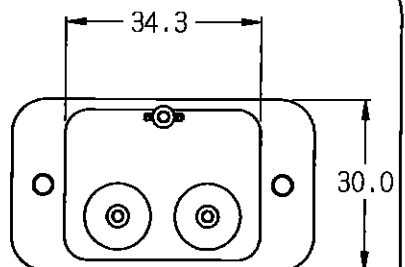


3.2Ø WITH  
 6.0 x 90°  
 COUNTERSINK  
 FOR #4 FLAT  
 HEAD SCREW (2)

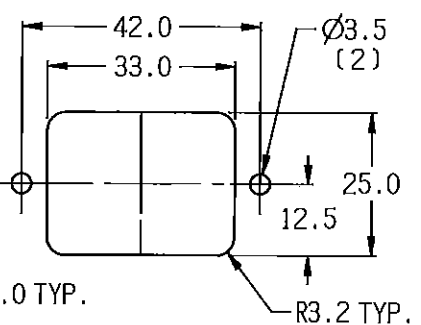


BLUE (NEUTRAL)  
 GREEN/YELLOW (GROUND)  
 BROWN (LINE)

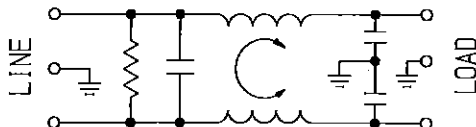
WIRE #14 AWG  
 UL 1015 (3)



PANEL CUTOUT FRONT MOUNT  
 TOLERANCE ±.13



PANEL CUTOUT REAR MOUNT  
 TOLERANCE ±.13



50Ω - 50Ω (MINIMUM) INSERTION LOSS											
FREQUENCY Hz	0.1	.15	.5	1	3	5	10	30	/	/	/
COMMON dB	3	5	14	21	27	30	33	42	/	/	/
DIFF. dB	-	2	17	25	30	27	35	48	/	/	/

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 (www.TE.com)

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.: 0-6609007-6

SCALE: 3/4	DATE: 12DEC01	DRAWING NUMBER: 20EEJ8	REV. 4
DRW. BY: LJD	DRGT: PJO		

20EEJ804.ekf