

### 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: 2 @ 120V 60Hz  
 5 @ 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: 0.306 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: NONE  $\mu F \pm 20\%$   
 LINE TO LINE: 0.100  $\mu F \pm 20\%$   
 DISCHARGE RESISTOR: 1.0 M $\Omega$   
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000M $\Omega$  (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

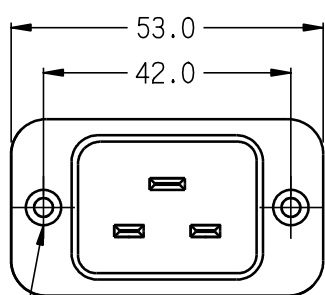
### FILTER APPROVAL:

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

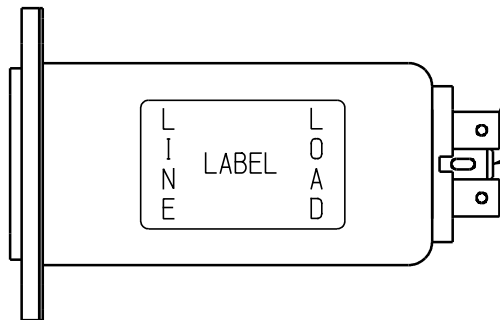
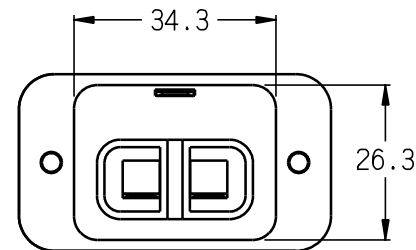
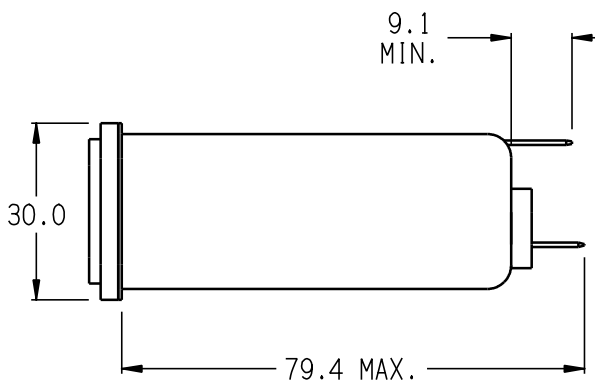
### CUSTOMER DRAWING

CATALOG # 20EJH1

ECN#	APPRVD	DATE
12-004115	PJO	03APR12

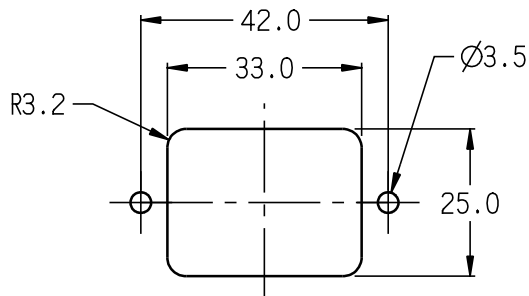


3.2 $\phi$  WITH  
 6.0 x 90°  
 COUNTERSINK  
 FOR #4 FLAT  
 HEAD SCREW (2)

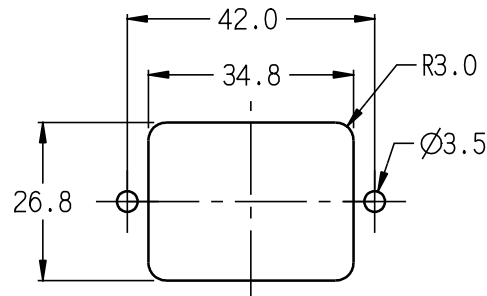


6.35 TERMINAL WITH  
 1.75 $\phi$  HOLE (2X)

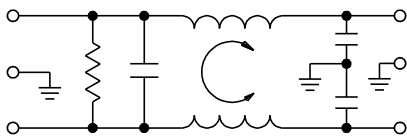
6.35 TERMINAL WITH  
 1.75 $\phi$  x 3.93 SLOT



PANEL CUTOUT (FRONT MOUNT)  
 TOLERANCE:  $\pm 0.1$



PANEL CUTOUT (REAR MOUNT)  
 TOLERANCE:  $\pm 0.1$



### 50 $\Omega$ - 50 $\Omega$ (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  $\pm 0.64$   
 MATERIAL & FINISH: AS SUPPLIED  
 DIMENSIONS IN MILLIMETERS



NOTES:

### POWER LINE FILTER

TE PART NO.: 0-6609009-4			
SCALE: 3/4	DATE: 21JAN02	DRAWING NUMBER: 20EJH1	
DRW. BY: LJD	DRTG: PJO	REV. 5	