

**CUSTOMER DRAWING**

**CATALOG # 10EJHP**

ECN #	APPRVD.	DATE
07-027231	PJD	15NOV07

**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 22.2, # 0,0,4,8  
 VDE APPROVED: EN 133 200

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 10 AMP, 120/250 VAC,  
 10 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<sub>r</sub>.

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

**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:**

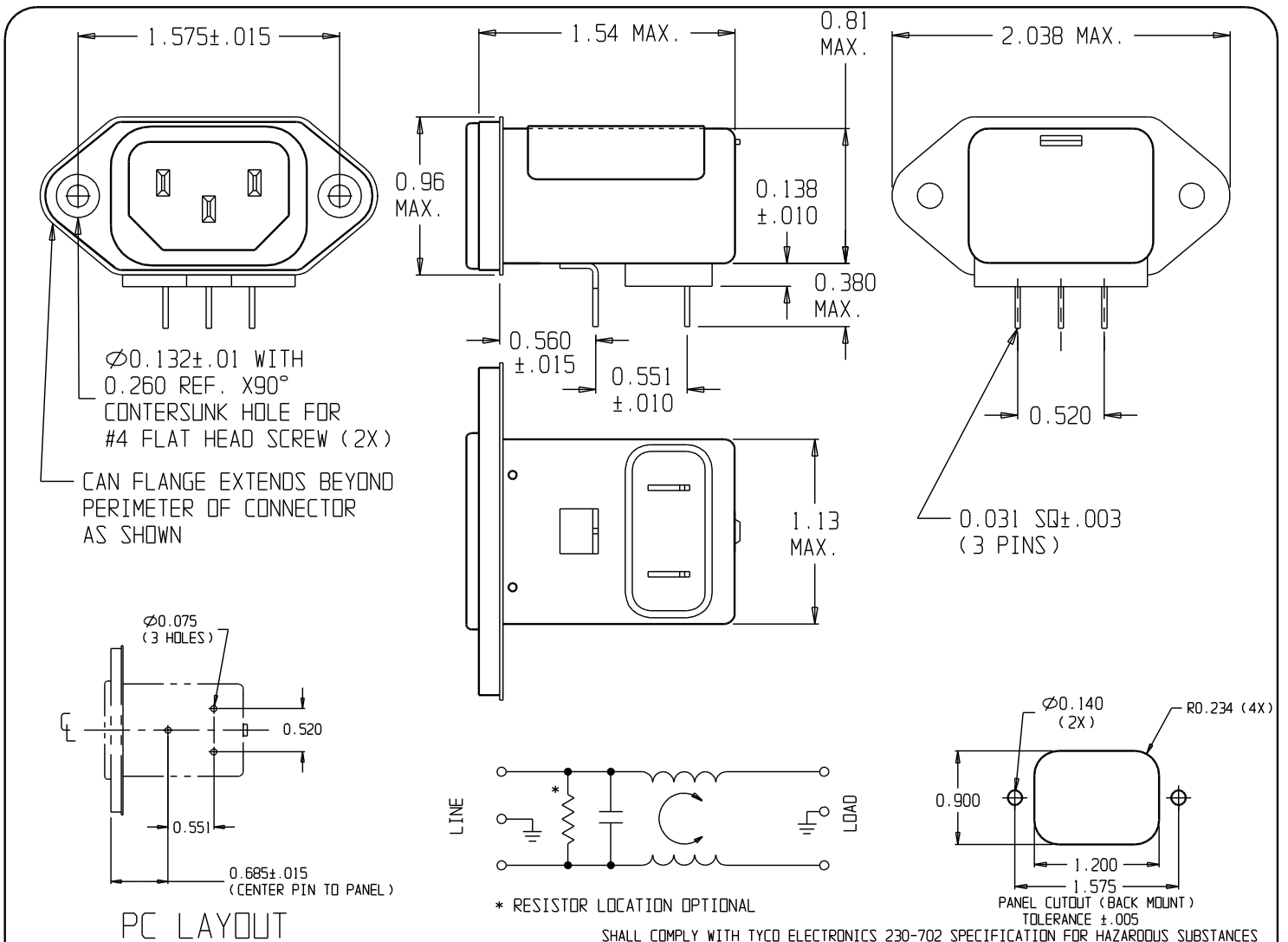
INDUCTANCE: 0.35 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: NONE  
 LINE TO LINE: 0.1 µF ±20%  
 DISCHARGE RESISTOR: 1.5MΩ  
 L/G AND L/L I.R. NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 1500 VAC OR 2250 VDC 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.



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

FREQUENCY MHz	.01	.05	.10	.15	.50	1	5	10	30				
COMMON dB	-	1	4	7	12	17	19	18	18				
DIFF. dB	-	-	5	8	17	22	32	30	30				

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.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. 1-6609008-3  
 SCALE: NTS DATE: 20FEB02 CATALOG NO. REV.  
 DRW. BY: PJD ORIG: PJD **10EJHP** **2**