

**CUSTOMER DRAWING**

**CATALOG # 20EJH1**

ECN #	APPRVD.	DATE
08-012116	PJD	15MAY08

**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
- VOE 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 μA @ 120V 60Hz  
5 μA @ 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:**

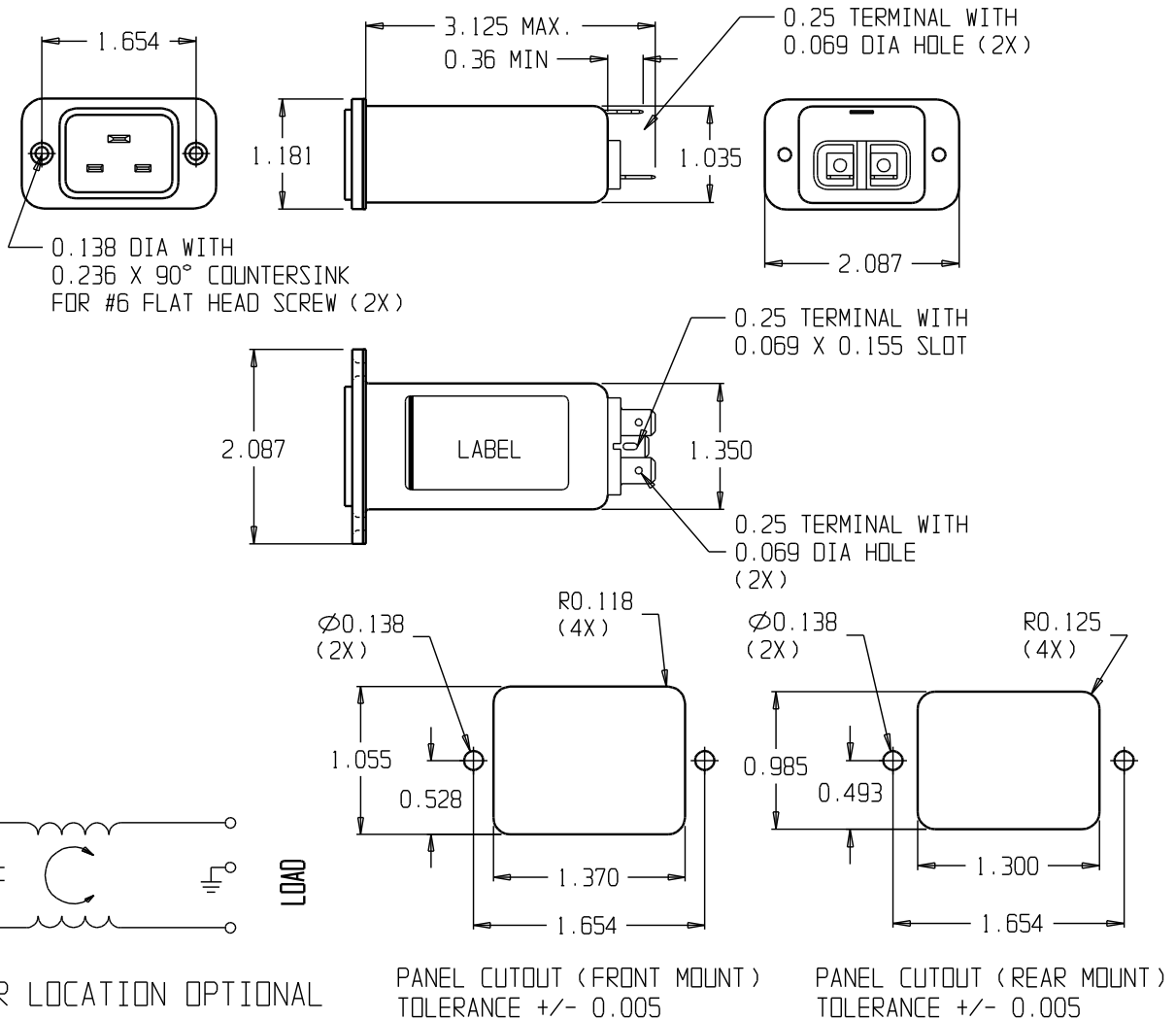
- INDUCTANCE: 0.306 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
  - LINE TO GROUND: NONE
  - LINE TO LINE: 0.100 μF ±20%
- DISCHARGE RESISTOR: 1.0M Ω
- L/G AND L/L I.R. NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**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.



\* RESISTOR LOCATION OPTIONAL

PANEL CUTOUT (FRONT MOUNT)  
TOLERANCE +/- 0.005

PANEL CUTOUT (REAR MOUNT)  
TOLERANCE +/- 0.005

**50Ω - 50Ω (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			

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION, HARRISBURG, PENNSYLVANIA USA

**Tyco Electronics**  
CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 0-6609009-4		SCALE: NTS	DATE: 21JAN02	CATALOG NO. 20EJH1	REV. 4
DRW. BY: PJD	DRG: PJD				