

**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: 10 AMP, 120/250 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>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: 4.97 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO LINE: 0.74 µF±20%  
 DISCHARGE RESISTOR: 470K Ω  
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH  
 NO DISCHARGE RESISTOR:

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

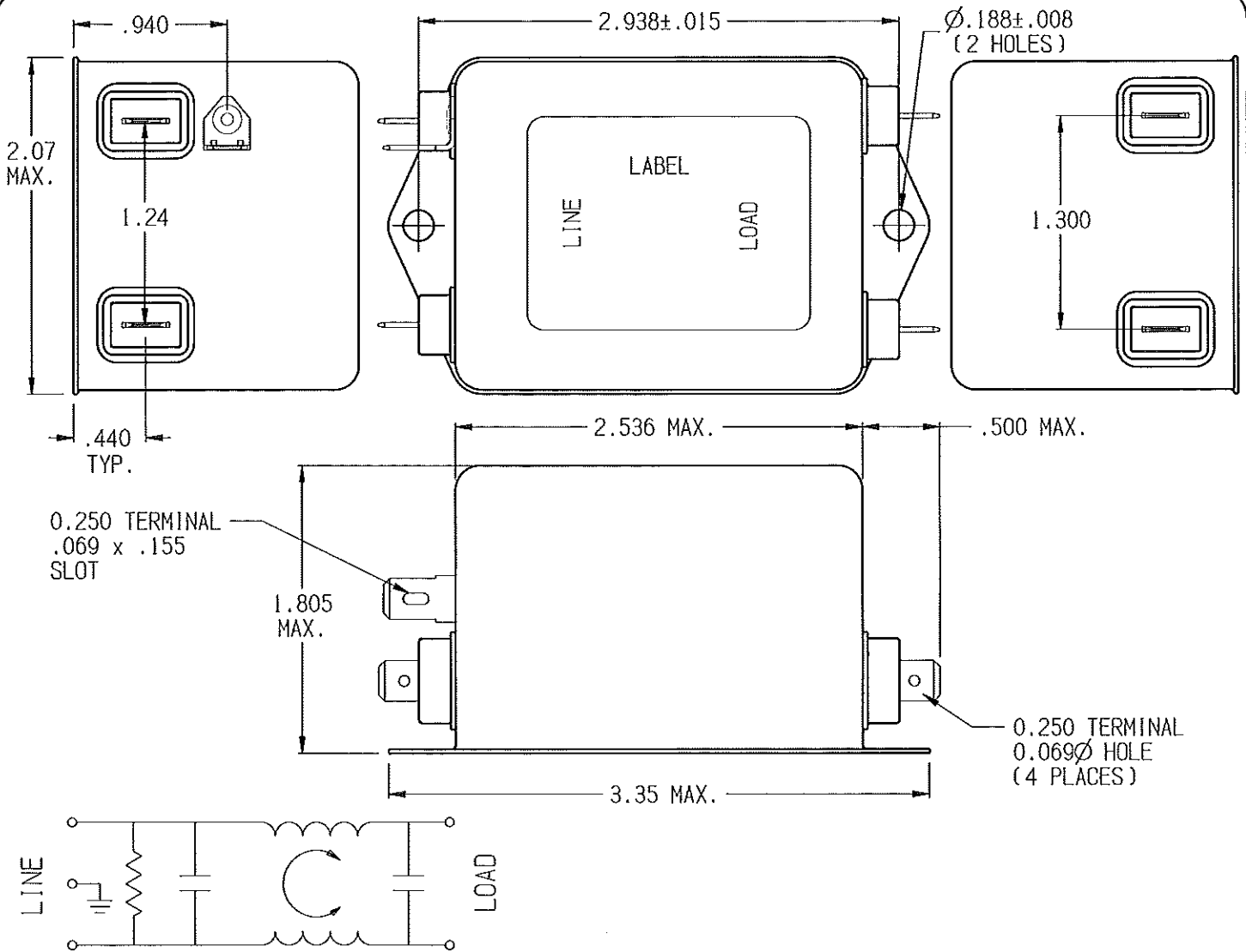
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

CATALOG # 10EHZ1

| ECN#      | APPRVD | DATE |
|-----------|--------|------|
| 10-023669 | PJO    | B    |



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .01 | .05 | .1 | .15 | .5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 | / |
|------------------|-----|-----|----|-----|----|-----|-----|-----|----|----|----|---|
| COMMON<br>dB     | 7   | 21  | 25 | 31  | 43 | 40  | 32  | 26  | 21 | 19 | 14 | / |
| DIFF.<br>dB      | /   | /   | 4  | 21  | 63 | 80  | 80  | 80  | 74 | 60 | 36 | / |

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES  
 UNLESS OTHERWISE SPECIFIED  
 TOLERANCE TO BE ±0.025  
 MATERIAL & FINISH: AS SUPPLIED

NOTES:

**STE** TE Connectivity

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 3-1609037-0

SHEET SIZE: A  
 THIRD ANGLE PROJECTION  
 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.

SCALE: 1:1  
 DATE: 31AUG10  
 DRW. BY: LJO  
 DATE: PJO  
 DRAWING NUMBER: 10EHZ1  
 REV. B

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Power Line Filters](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[6609019-3](#) [6609026-5](#) [6609030-6](#) [6609973-2](#) [D30A](#) [7-1609090-5](#) [F2810](#) [F4456A](#) [F7382Z](#) [F7863Z](#) [FAHAV3100ZC000](#) [806276](#) [FN2020B-1-06](#) [FN2080B-10-06](#) [FN2410H-32-33](#) [FN2410H-80-34](#) [FP144](#) [FS4153-20-06](#) [FS4353-500-99](#) [12-MMB-030-11-D](#) [DB4-393](#) [15811T200](#) [20B1](#) [LC630](#) [2B1](#) [1609080-2](#) [1609993-8](#) [1-6609070-1](#) [F1100AA02](#) [F1150CC10](#) [F1500CA10](#) [F1500CA15](#) [F4041Z](#) [F7585E](#) [1B1](#) [FN2070A-16-06](#) [FN2090A-20-06](#) [FN2090B-12-06](#) [FN2090Z-1-06](#) [FN2410H-25-33](#) [FN2410H-60-34](#) [FN2410H-8-44](#) [FN2412H-8-44](#) [FN323B-6-01](#) [FN610R-3-06](#) [20EHQ7](#) [20EHZ7](#) [20K1](#) [30B6](#) [3K1](#)