

**CUSTOMER DRAWING**

CATALOG # 10VS1

| ECN# | APPRVD | DATE |
|------|--------|------|
| /    | /      | /    |

**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: IEC/EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 10 AMP/40°C, 120/250 VAC,  
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.5mA @ 120V 60Hz  
1.0mA @ 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:**

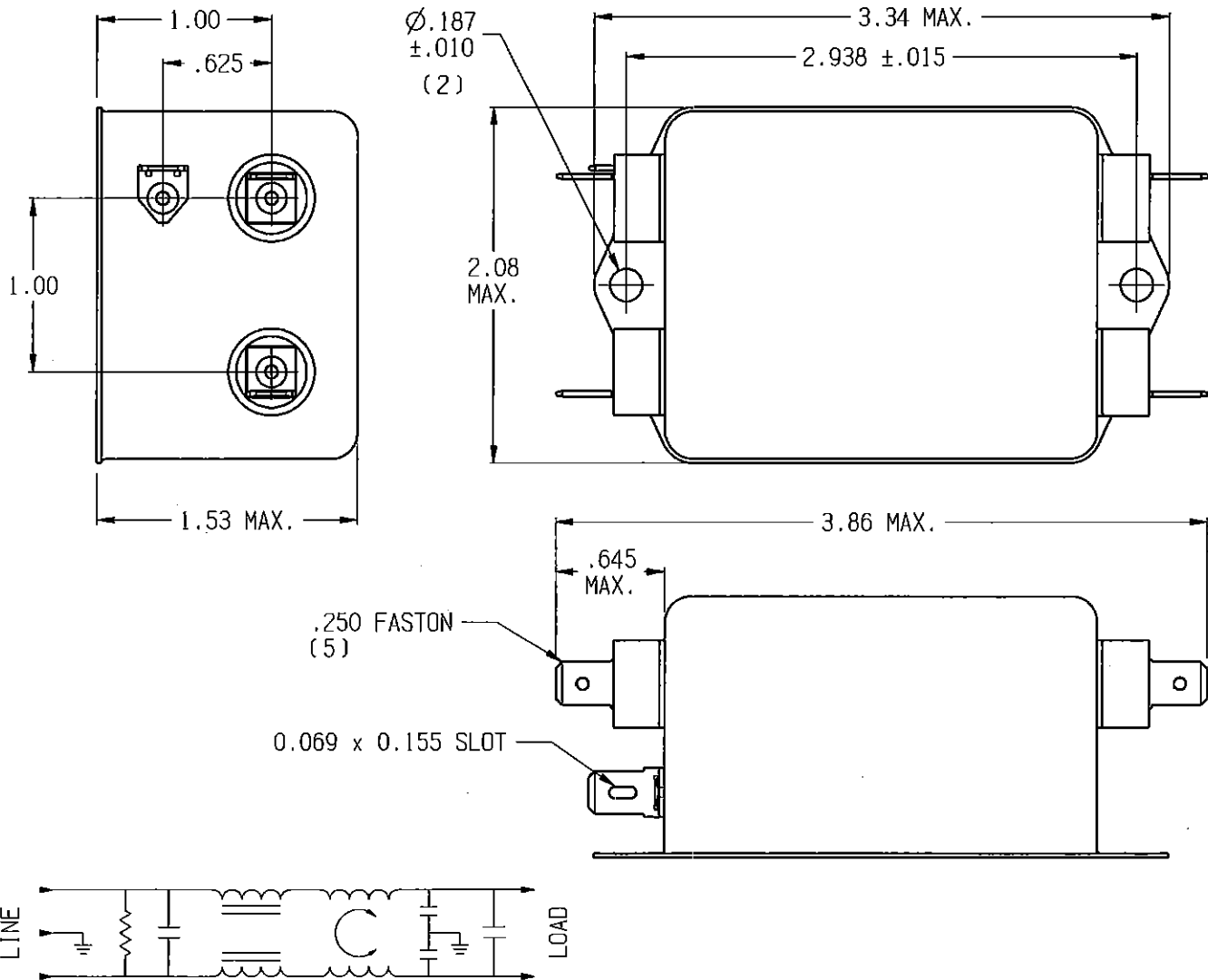
INDUCTANCE: 1.2 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: .011 μF±20%  
LINE TO LINE: .54 μF±20%  
DISCHARGE RESISTOR: 330K Ω  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 2250 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.



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | .15 | .5 | 1  | 2  | 5  | 10 | 20 | 30 | / | / | / | / |
|------------------|-----|----|----|----|----|----|----|----|---|---|---|---|
| COMMON<br>dB     | 19  | 34 | 42 | 42 | 32 | 44 | 48 | 48 | / | / | / | / |
| DIFF.<br>dB      | 40  | 65 | 65 | 65 | 60 | 50 | 43 | 50 | / | / | / | / |

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

NOTES:

**TE Connectivity**

**POWER LINE FILTER**

TE PART NO.: 6609042-3



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SCALE: 1:1  
DATE: 12SEP89  
DRW. BY: LJO  
ERTG: CW

| DRAWING NUMBER: | 10VS1 |
|-----------------|-------|
| REV.            | 6     |

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)