

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_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:

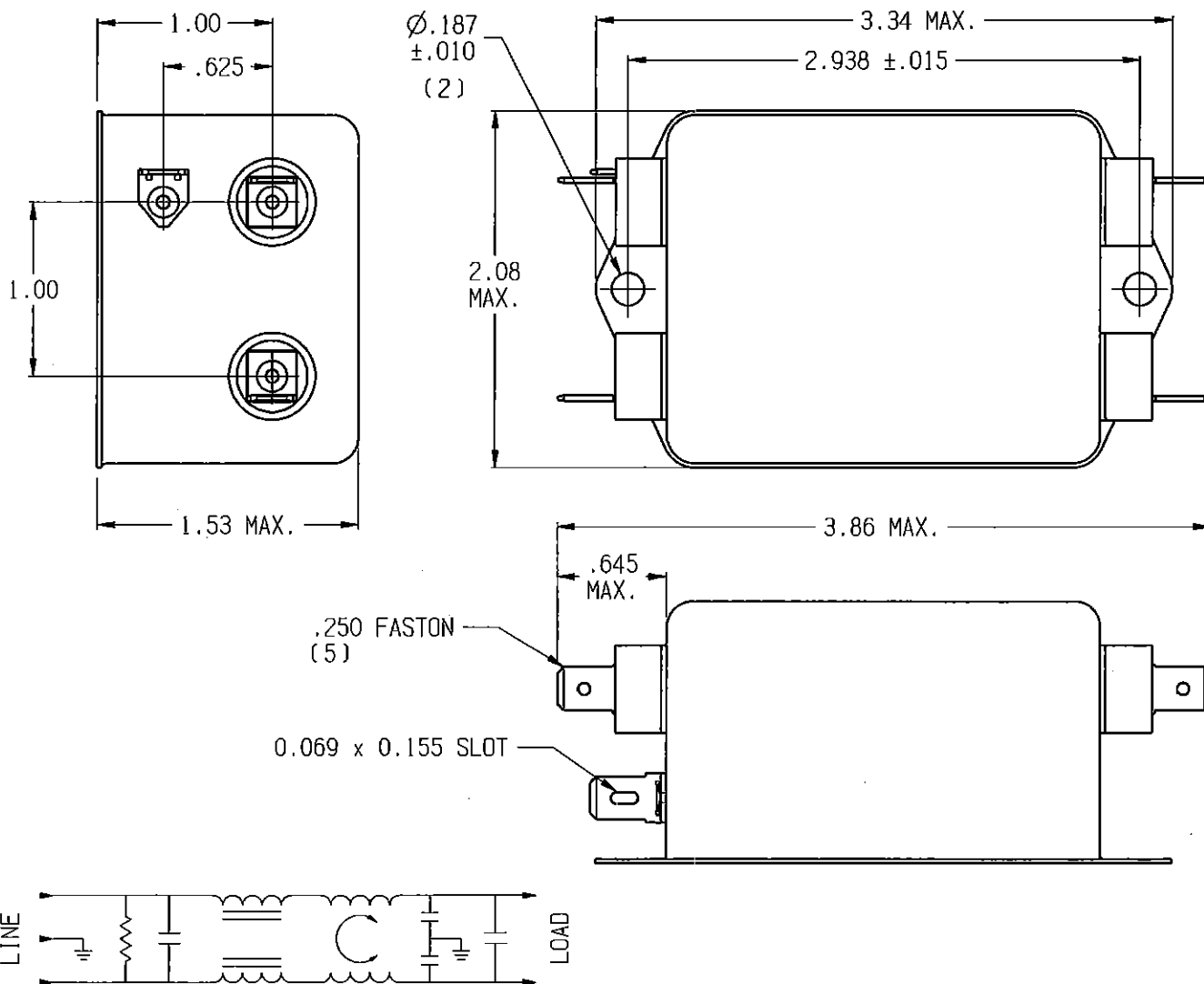
INDUCTANCE: 1.2 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: .011 μF±20%
 LINE TO LINE: .54 μF±20%
 DISCHARGE RESISTOR: 330K Ω
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
 20°C AND 50% RH

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 MHz	.15	.5	1	2	5	10	20	30	/	/	/	/
COMMON dB	19	34	42	42	32	44	48	48	/	/	/	/
DIFF. 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

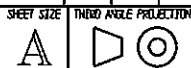


NOTES:

POWER LINE FILTER

TE PART NO.: 6609042-3

SCALE: 1:1	DATE: 12SEP89	DRAWING NUMBER: 10VS1	REV. 6
DRW. BY: LJO	ERTG: CW		



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. (www.TE.com)