

**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  
VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 25 AMP, 120/250 VAC,  
25 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 3.7 @ 120V 60Hz  
6.4 @ 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: 4.9 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: .062 μF±20%  
LINE TO LINE: 4.4 μF±20%  
DISCHARGE RESISTOR: 330 KΩ  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

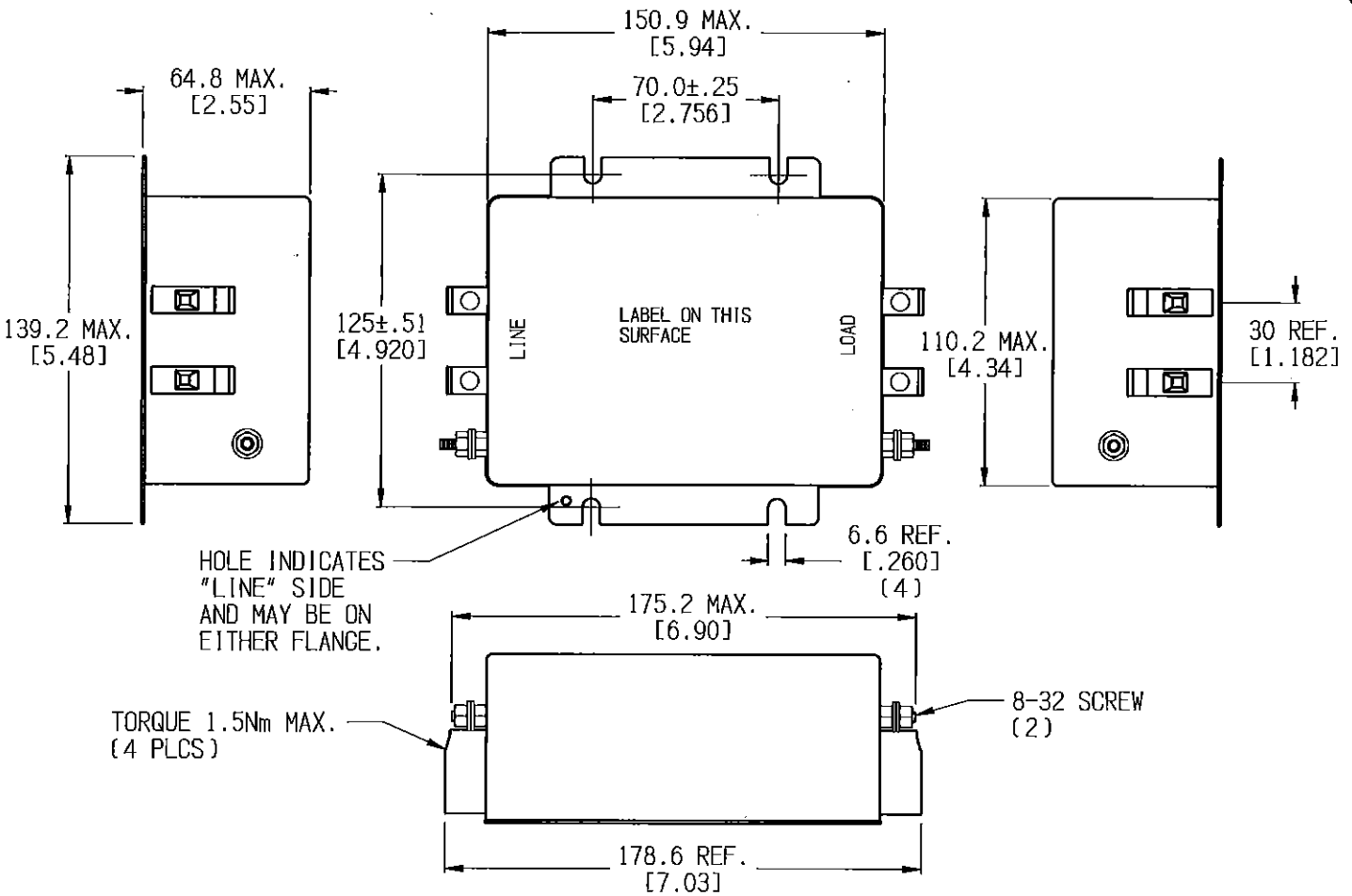
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

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.

<b>CUSTOMER DRAWING</b>		
<b>CATALOG # 25FC10B</b>		
ECN#	APPRVD	DATE
15-014088	TAM	01OCT15



50 Ω - 50 Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.10	.15	.30	.50	1.0	3.0	5.0	10	30
COMMON dB	10	23	30	45	56	68	70	71	68	64	60	55
DIFF. dB	18	20	30	57	77	82	80	85	70	70	83	80

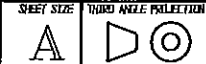
PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED  
TOLERANCE TO BE ±0.64  
MATERIAL & FINISH: AS SUPPLIED  
DIMENSIONS IN MILLIMETERS

**TE** TE Connectivity

**CUSTOMER DRAWING**

TE PART NO.: 6609976-2



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(www.TE.com)

SCALE: 3/8	DATE: 01OCT15	DRAWING NUMBER: 25FC10B	REV: 0
DRW. BY: LJD	ORIG: TAM		