

CUSTOMER DRAWING		
CATALOG #	5FBL3	
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
cUR PER GSA C22.2 No. 8

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 5 AMP/50°C, 300 VAC 50-60Hz (UR) PENDING
5 AMP/50°C, 250 VAC 50-60Hz (cUR) PENDING

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:
0.12mA @ 120 VAC 60Hz
0.25mA @ 250 VAC 60Hz
0.30mA @ 300 VAC 60Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:
$$I_o = I_r \sqrt{\frac{100 - T_a}{50}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +100°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

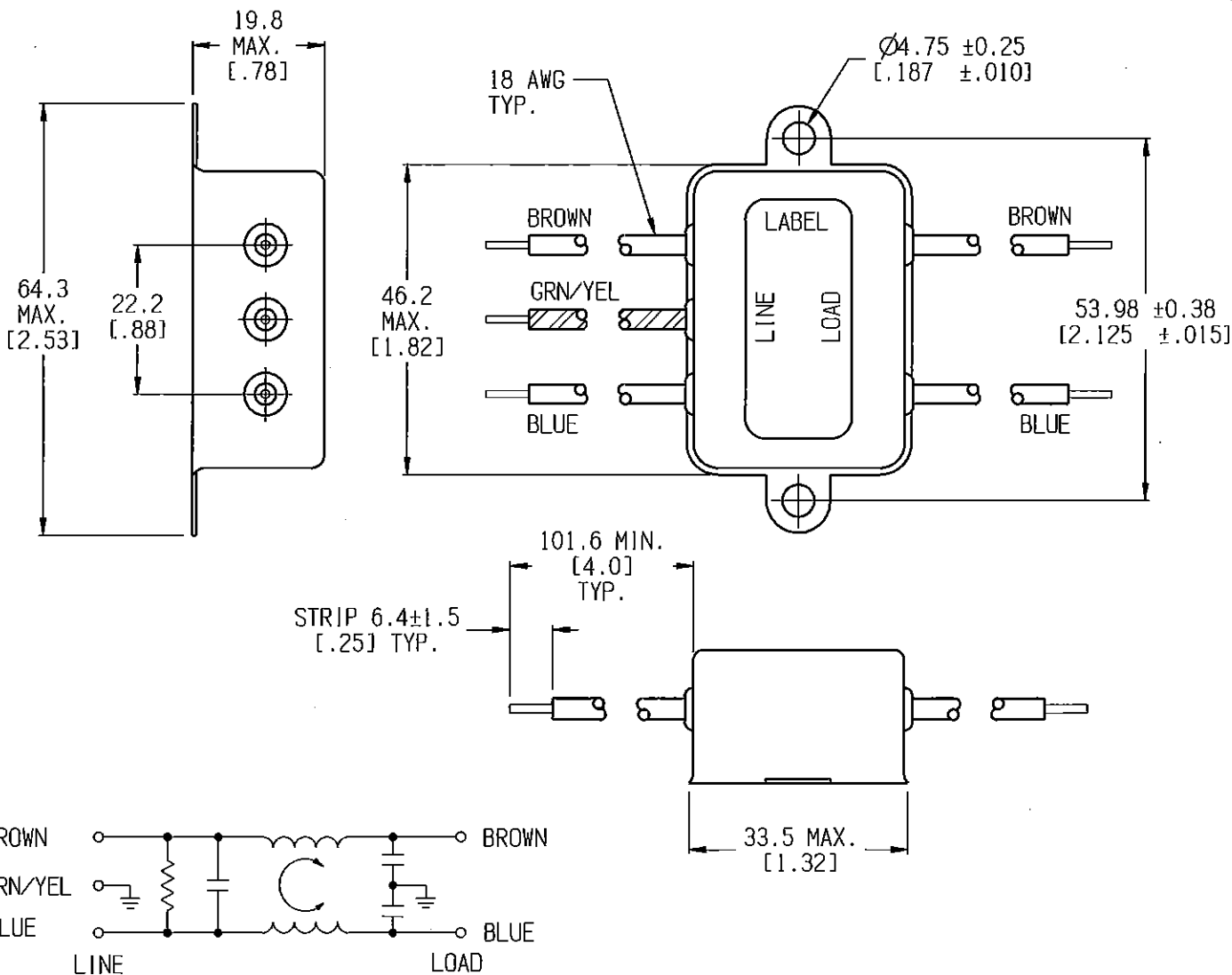
INDUCTANCE: 0.516 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0040 μF±20%
LINE TO LINE: 0.010 μF±20%
DISCHARGE RESISTOR: 1.5 MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 2263 VDC FOR 1 MINUTE
LINE TO LINE: 2263 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	0.15	0.5	1.0	2.0	5.0	10	20	30	/	/	/	/
COMMON dB	10	21	26	31	37	42	44	47	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/	/	/

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

NOTES:

TE TE Connectivity

CUSTOMER DRAWING

TE PART NO.: 6-1609091-6

SEET SIZE	WORLD 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. (www.TE.com)	SCALE: 1:1	DATE: 21MAY18	DRAWING NUMBER: 5FBL3	REV. 2
A			DRW. BY: LJO	DATE: JB		