

**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 (PENDING)  
cUR PER CSA C22.2 No. 8 (PENDING)

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 1 AMP/50°C, 300 VAC 50-60Hz (UR) PENDING  
1 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<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 1.86 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

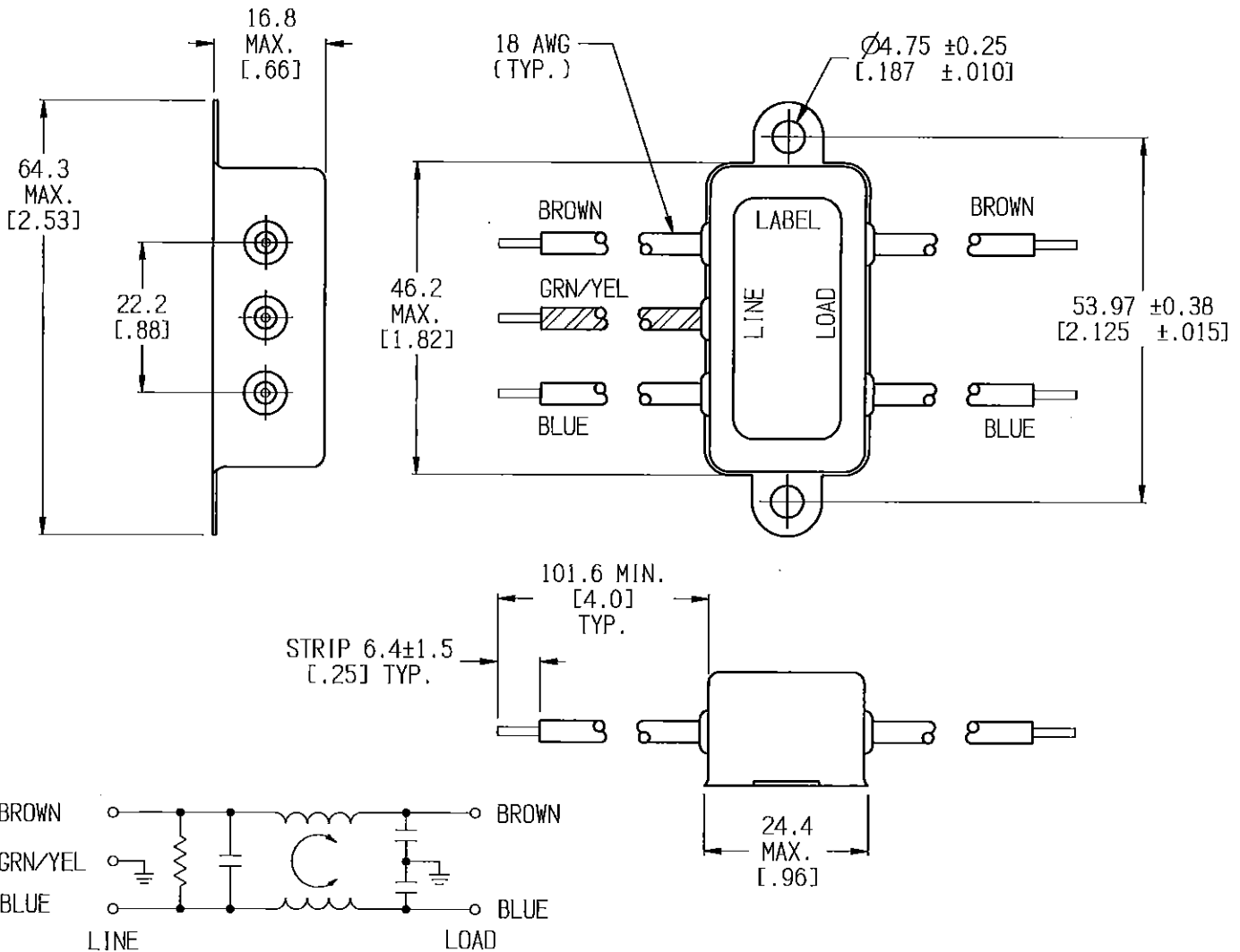
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

CATALOG # 1FBL3

ECN#	APPRVD	DATE
/	/	/



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY Hz	0.15	0.5	1.0	2.0	5.0	10	20	30	/	/	/	/
COMMON dB	20	33	41	46	45	45	46	48	/	/	/	/
DIFF. dB	/	/	/	/	/	/	/	/	/	/	/	/

SHEET SIZE THROU ANGLE PROJECTION  
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1FBL300.cxd

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.: 6-1609091-4

SCALE: 1:1	DATE: 21MAY18	DRAWING NUMBER: 1FBL3	REV. 0
DRW. BY: L.JD	ORIG: JB		

# Mouser Electronics

Authorized Distributor

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