

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: 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 μ F±20%
LINE TO LINE: 0.010 μ F±20%
DISCHARGE RESISTOR: 1.5 M Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (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:

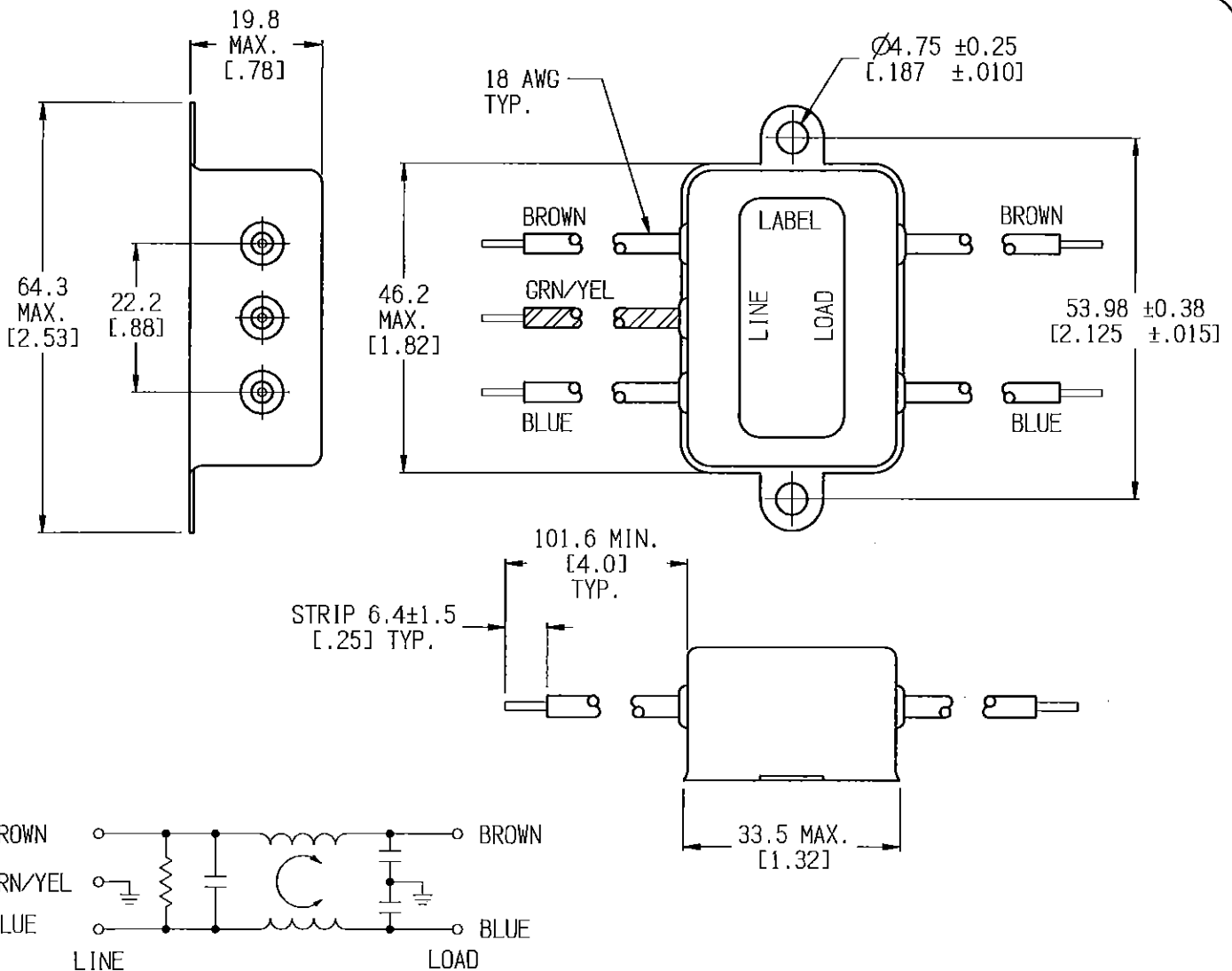
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CUSTOMER DRAWING

CATALOG # 5FBL3

ECN# APPRVD DATE

/ / /

**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

SCALE: 1:1 DATE: 21MAY18 DRAWING NUMBER: 5FBL3 REV. 0

SHEET SIZE: THIRD ANGLE PROJECTION
A

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)

5FBL300.cxd

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[5FBL3](#)