

**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 CSA C22.2 No. 8

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 20 AMP/40°C, 300 VAC 50-60Hz (UR) PENDING  
20 AMP/40°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 +40°C @ RATED CURRENT,  $I_r$ .

IN AN AMBIENT,  $T_a$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$
**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: 0.44 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0040  $\mu$ F±20%  
LINE TO LINE: 0.010  $\mu$ F±20%  
DISCHARGE RESISTOR: 1.5 M $\Omega$   
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000M $\Omega$  (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

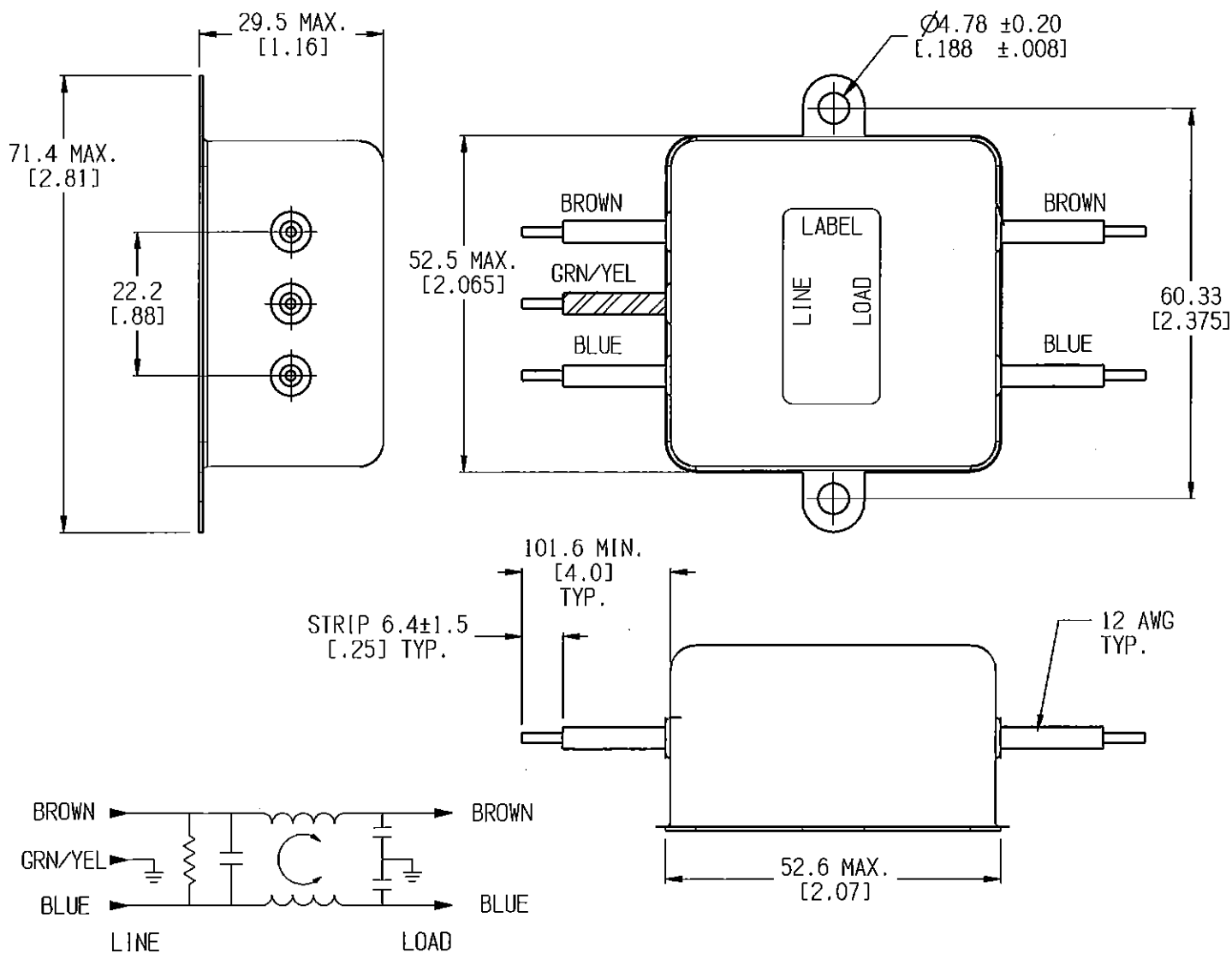
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

CATALOG # 20FBL3

ECN# \_\_\_\_\_ APPROVD \_\_\_\_\_ DATE \_\_\_\_\_

**50  $\Omega$  - 50  $\Omega$  (MINIMUM) INSERTION LOSS**

| FREQUENCY<br>MHz | 0.15 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 | / | / | / | / |
|------------------|------|-----|-----|-----|-----|----|----|----|---|---|---|---|
| COMMON<br>dB     | 8    | 21  | 32  | 35  | 35  | 38 | 38 | 42 | / | / | / | / |
| DIFF.<br>dB      | /    | /   | /   | /   | /   | /  | /  | /  | / | / | / | / |

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

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

**NOTES:**

**TE** TE Connectivity

**CUSTOMER DRAWING**

TE PART NO.: 6-1609091-8

| SCALE:       | DATE:   | DRAWING NUMBER: | REV. |
|--------------|---------|-----------------|------|
| 1:1          | 21MAY18 | 20FBL3          | 2    |
| DRW. BY: LJD | DRG: JB |                 |      |

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