

**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
- UL LISTED: UL 935
- CSA CERTIFIED: CSA C22.2 No. 8
- VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 5.0 AMP/50°C, 277 VAC 50-60Hz (UL&CSA)  
 5.0 AMP/50°C, 277 VDC (UL&CSA)  
 5.0 AMP/50°C, 250 VAC 50-60Hz (VDE)  
 5.0 AMP/50°C, 250 VDC (VDE)

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.28 mA @ 277V 60Hz  
 0.21 mA @ 250V 50Hz

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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{35}}$$

**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: 0.42 mH NOMINAL (WHITE)  
 0.44 mH NOMINAL (BLACK)  
 CAPACITANCE: (MEASURED @ 1 KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0044µF ± 20 %  
 LINE TO LINE: 0.33µF ± 20 %  
 DISCHARGE RESISTOR: 1 MEGOHM  
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000MEGOHM (MIN.) 100VDC 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 2300 VDC FOR 1 MINUTE  
 LINE TO LINE: 1853 VDC FOR 1 MINUTE

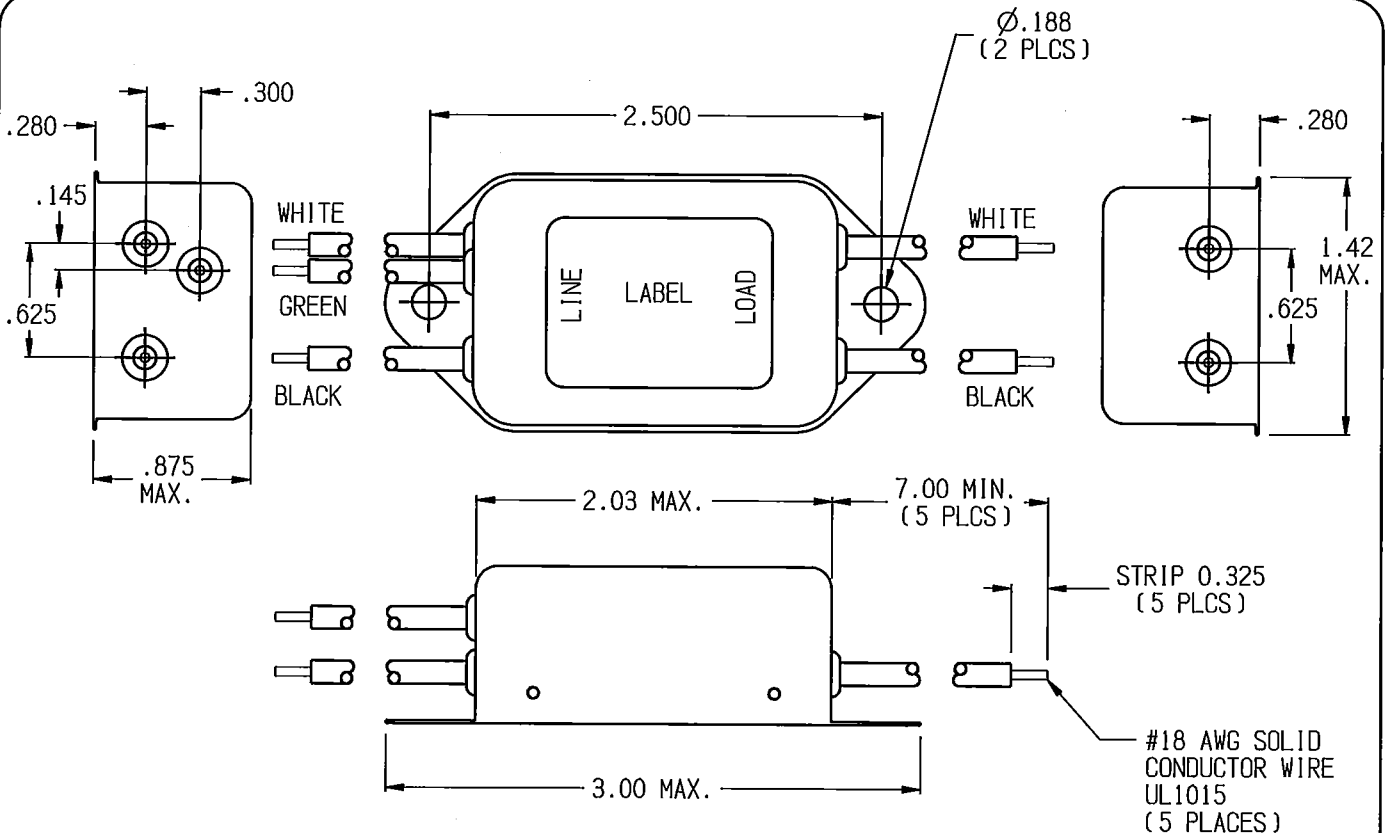
**FILTER APPROVAL:**

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

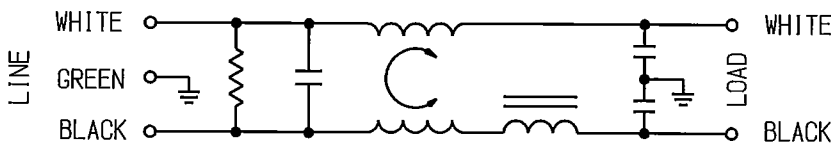
**CUSTOMER DRAWING**

CATALOG # 5FB3

ECN#	APPRVD	DATE
/	PJO	28FEB12



**ELECTRICAL SCHEMATIC**



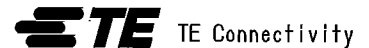
**50 Ω - 50 Ω (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	.03	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/
COMMON dB	0	2	5	9	21	26	34	41	40	44	48	/
DIFF. dB	6	10	16	20	31	40	47	51	47	44	41	/

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

UNLESS OTHERWISE SPECIFIED  
 TOLERANCE TO BE ±0.025  
 MATERIAL & FINISH: AS SUPPLIED

NOTES:



**RFI FILTER**

TYCO ELECTRONICS PART NO. 9-1609095-1			
SCALE: 1:1	DATE: 24MAY11	DRAWING NUMBER: 5FB3	REV. 3
DRW. BY: LJD	DRIG: PJO		



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