

### 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: 3.0 AMP/50°C, 277 VAC 50-60Hz (UL&CSA)  
 3.0 AMP/50°C, 277 VDC (UL&CSA)  
 3.0 AMP/50°C, 250 VAC 50-60Hz (VDE)  
 3.0 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: -30°C TO +50°C @ RATED CURRENT, I<sub>r</sub>.

MINIMUM IEC60068-1 CAPACITOR CLIMATIC CATEGORY GMF (40/100/21)

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 +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)  
 0.49 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

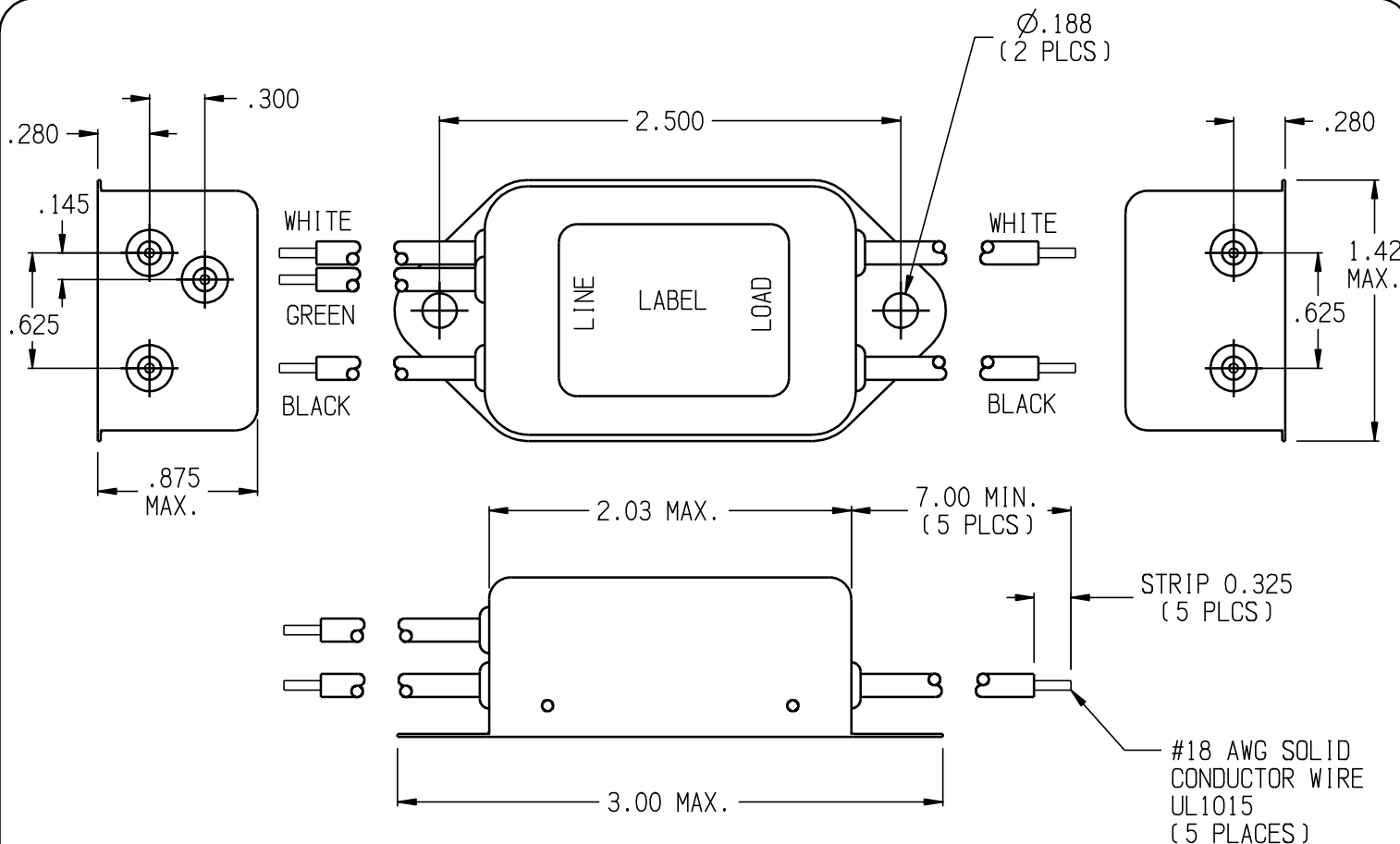
### FILTER APPROVAL:

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

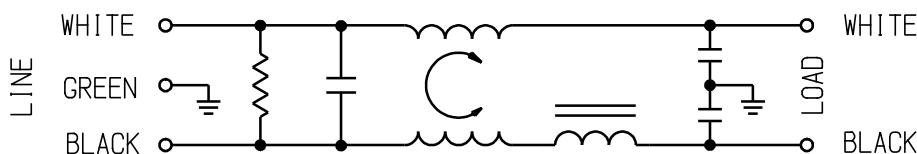
### CUSTOMER DRAWING

CATALOG # 3FB3

ECN#	APPRVD	DATE
/	TAM	20CT15



### 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	1	6	8	20	26	33	41	41	47	50	/
DIFF. dB	6	10	17	21	37	47	54	54	48	44	42	/

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. 9-1609095-0			
SCALE: 1:1	DATE: 24MAY11	DRAWING NUMBER: 3FB3	
DRW. BY: LJD	DRIG: PJD	REV. 4	

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SHEET SIZE