

CUSTOMER DRAWING

CATALOG #		3FB3
ECN#	APPRVD	DATE
/	PJO	28FEB12

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: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{35}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C
 HUMIDITY: 21 DAYS @ 40°C 95% RH.
 CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

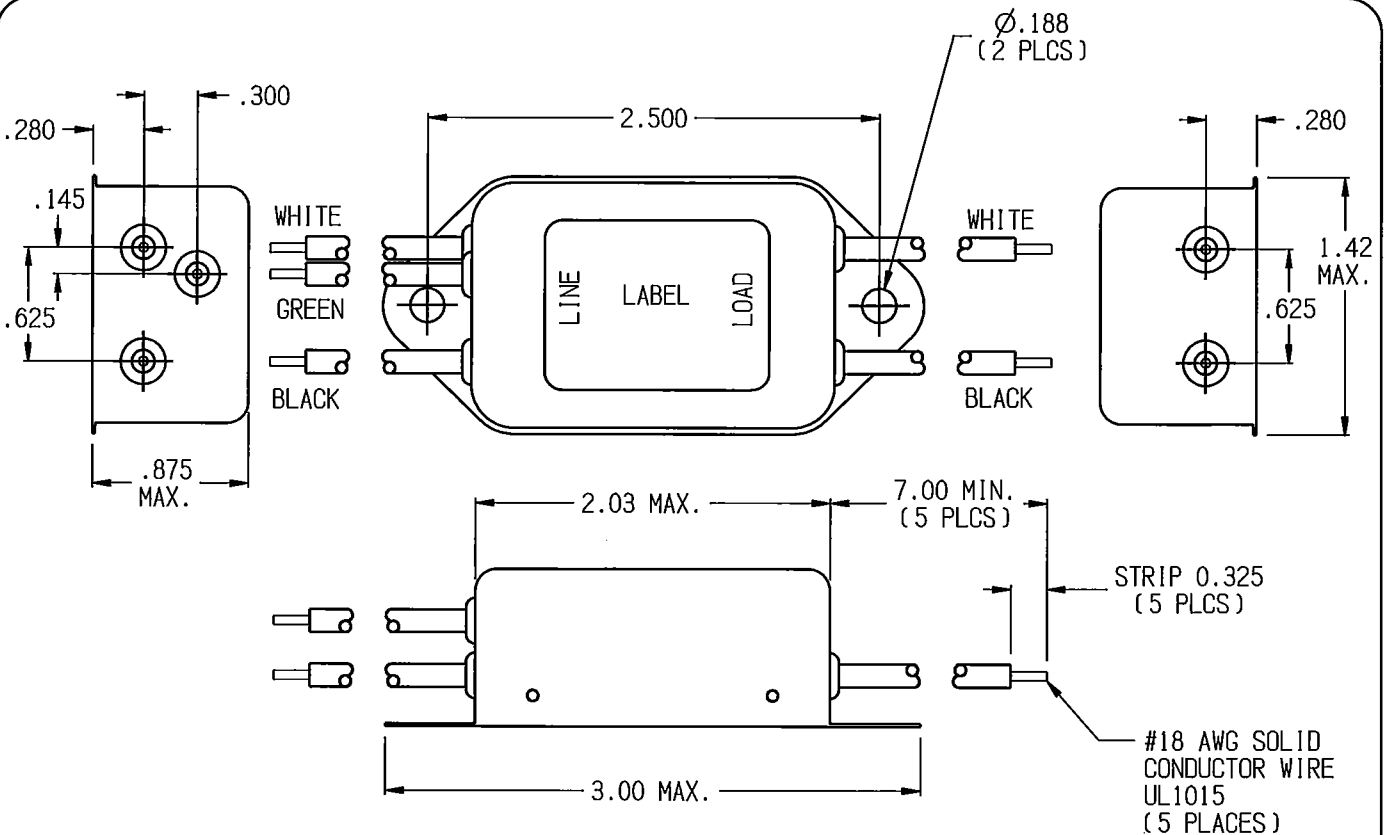
INDUCTANCE: 0.42 mH NOMINAL (WHITE)
 0.49 mH NOMINAL (BLACK)
 CAPACITANCE: (MEASURED @ 1 kHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0044uF ± 20 %
 LINE TO LINE: 0.33uF ± 20 %
 DISCHARGE RESISTOR: 1 MEGOHM
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MEGOHM (MIN.) 100VDC 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

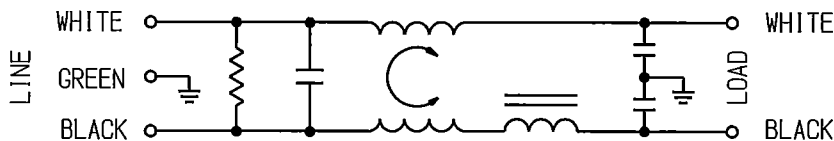
LINE TO GROUND: 2300 VDC FOR 1 MINUTE
 LINE TO LINE: 1853 VDC FOR 1 MINUTE

FILTER APPROVAL:

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



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	/

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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:

STE TE Connectivity

RFI FILTER

TYCO ELECTRONICS PART NO. 9-1609095-0

SCALE: 1:1	DATE: 24MAY11	DRAWING NUMBER: 3FB3	REV. 3
DRW. BY: LJD	DRIG: PJO		

3FB303.kld