

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: 2.0 AMP/50°C, 277 VAC 50-60Hz (UL&CSA)
2.0 AMP/50°C, 277 VDC (UL&CSA)
2.0 AMP/50°C, 250 VAC 50-60Hz (VDE)
2.0 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, T_a , HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o , 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_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 0.89 mH NOMINAL (WHITE)
1.04 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

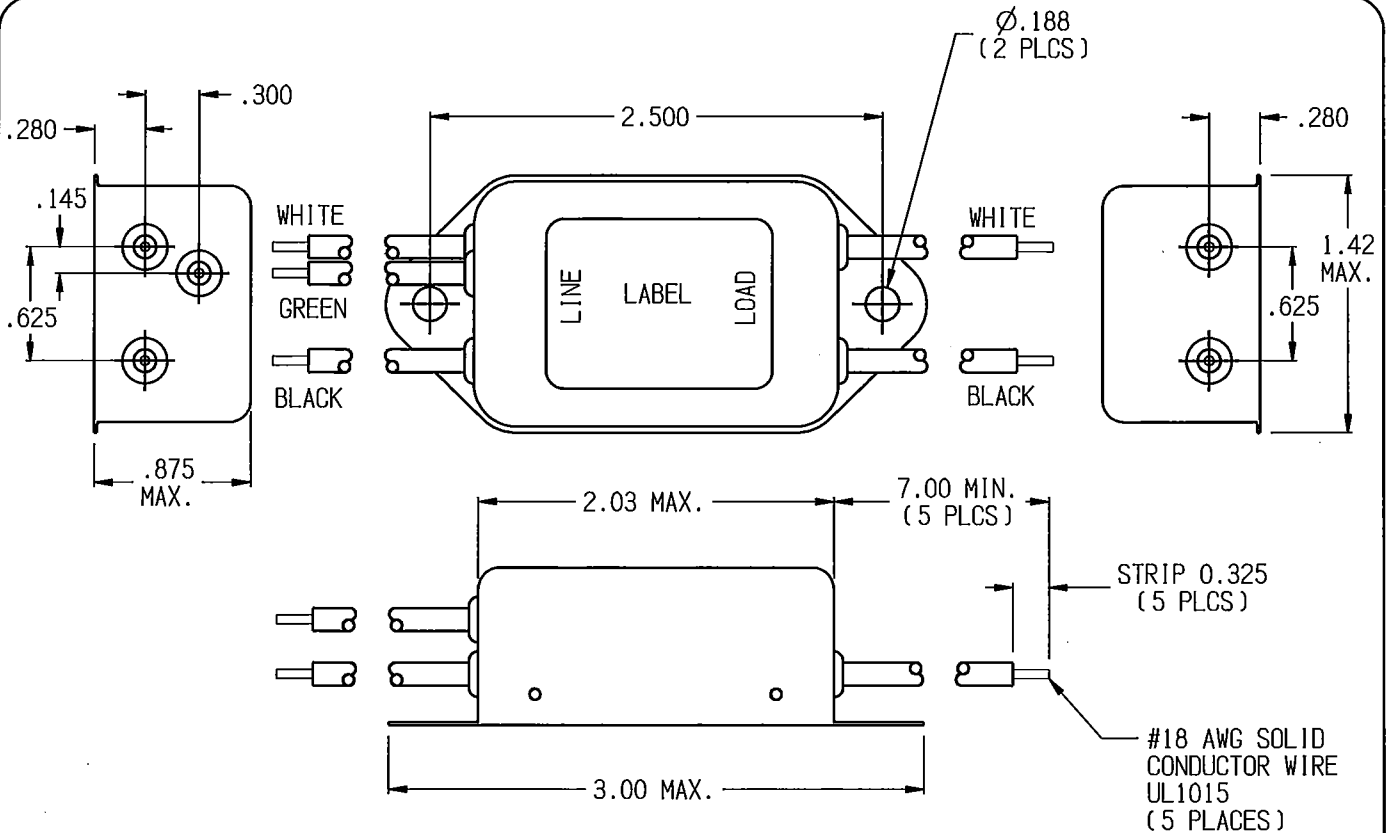
FILTER APPROVAL:

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

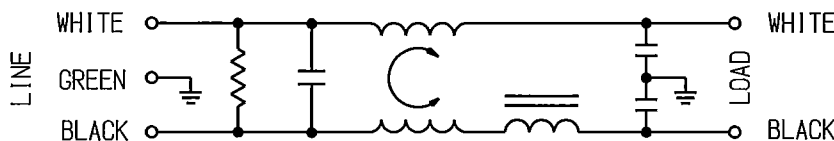
CUSTOMER DRAWING

CATALOG # 2FB3

ECN#	APPRVD	DATE
/	PJO	28FEB12



ELECTRICAL SCHEMATIC



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.03	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/
COMMON dB	3	7	13	16	28	34	42	45	44	41	41	/
DIFF. dB	6	11	20	25	43	51	56	51	44	40	39	/

SHEET SIZE: A
THIRD ANGLE PROJECTION
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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:

TE TE Connectivity

RFI FILTER

TYCO ELECTRONICS PART NO. 8-1609095-9

SCALE: 1:1	DATE: 24MAY11	DRAWING NUMBER: 2FB3	REV. 3
DRW. BY: LJD	DRG: PJO		

2FB303.cld

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[8-1609095-9](#)