

CUSTOMER DRAWING

CATALOG # 3FB3-MS

FCN#	APPRVD	DATE
/	/	/

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
CERTIFIED THROUGH UL: CSA C22.2, NO. 8

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3 AMP, 120/277 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.36mA @ 120V 60Hz
0.63mA @ 277V 60Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

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:

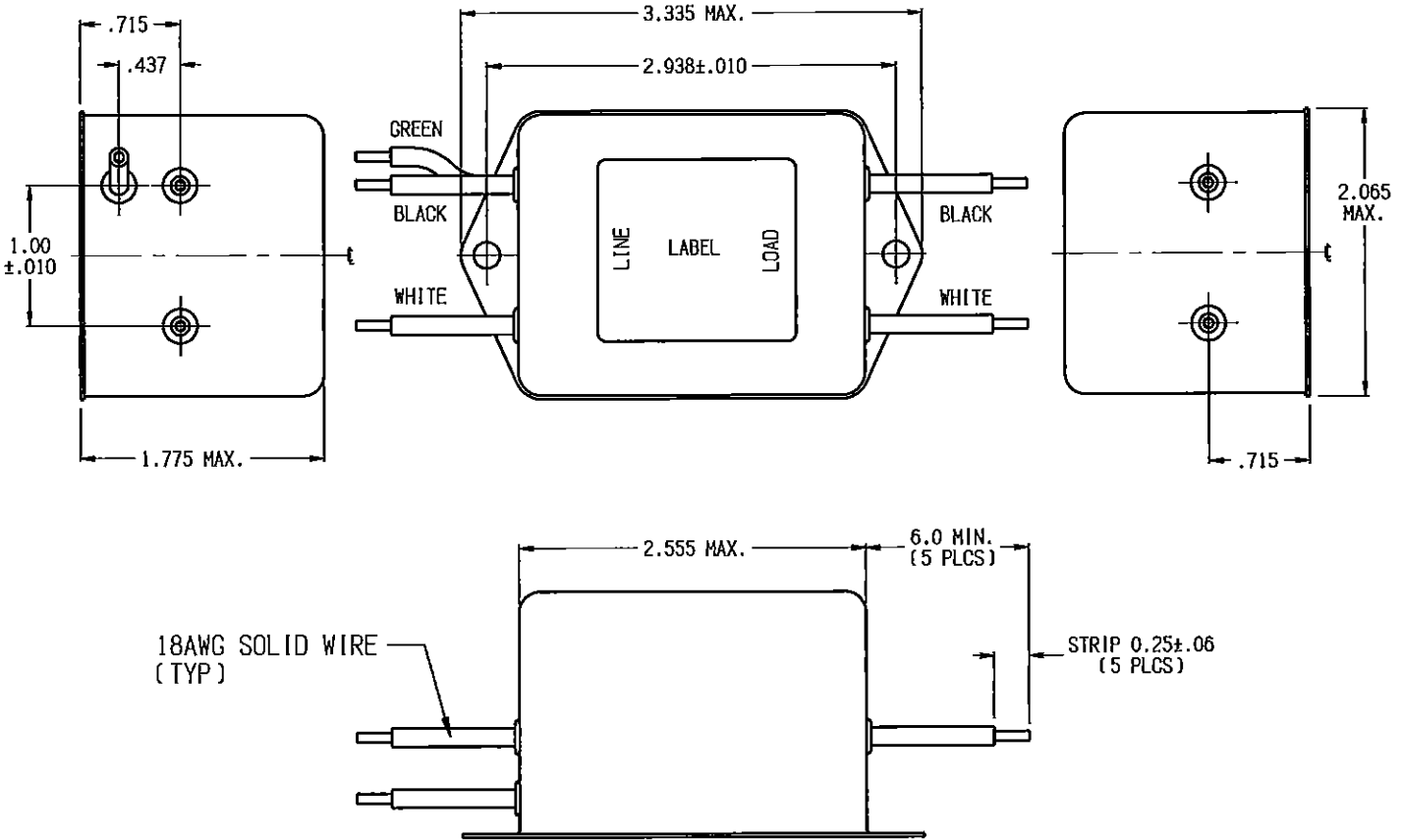
INDUCTANCE: 13.77 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 9990pF
LINE TO LINE: 2.50pF
DISCHARGE RESISTOR: 680 KΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

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.



PRELIMINARY

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS										PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES				
FREQUENCY MHz	.01	.05	.15	.5	1	5	10	30	/	/	/	/	 TE Connectivity POWER LINE FILTER TE PART NO.: 6-1609128-4 SCALE: 3/4 DATE: 23MAR14 DRAWING NUMBER: 3FB3-MS REV. 0 DRG. BY: LJD DRG. JB	
COMMON dB	16	28	42	46	43	42	46	31	/	/	/	/		
DIFF. dB	1	48	70	72	70	70	58	58	/	/	/	/		
SHEET SIZE	DIN A		THIRD ANGLE PROJECTION		THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. (www.te.com)								3FB3MS00.cld	