

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 60939-3

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3.0 AMP/90°C, 480 VAC 50-60Hz
3.0 AMP/90°C, 480 VDC

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

OPERATING AMBIENT TEMP. RANGE: -40°C TO +90°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T_a, HIGHER THAN 90°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{10}}$$

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +100°C
HUMIDITY: 21 DAYS @ 40°C 95% RH.
CURRENT OVERLOAD TEST: 6 TIMES I_r FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 0.51 mH NOMINAL
0.51 mH NOMINAL
CAPACITANCE: (MEASURED @ 1 kHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0044µF ± 20 %
LINE TO LINE: 0.011µF ± 20 %
DISCHARGE RESISTOR: 20 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: 2250 VDC FOR 1 MINUTE
LINE TO LINE: 2775 VDC FOR 1 MINUTE

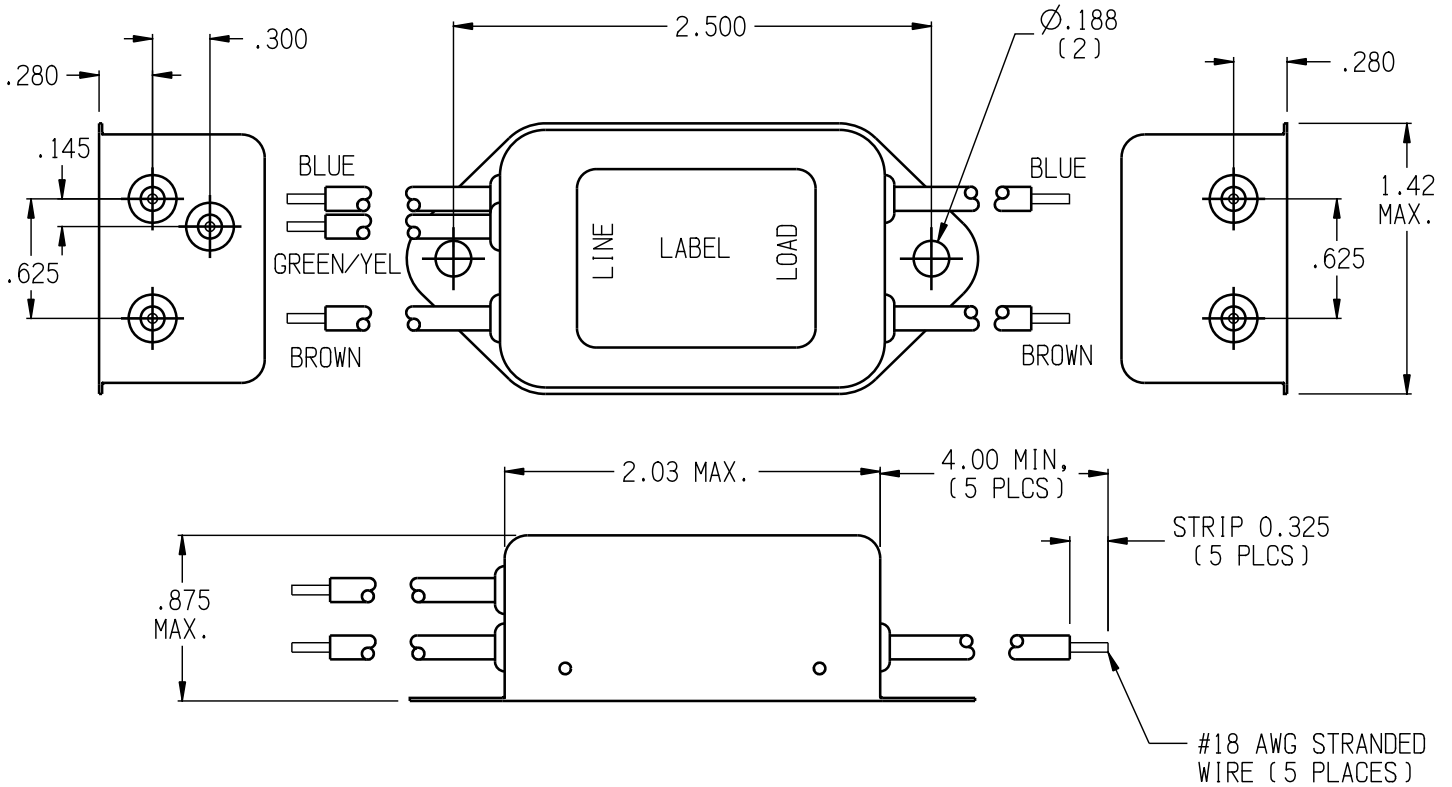
FILTER APPROVAL:

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

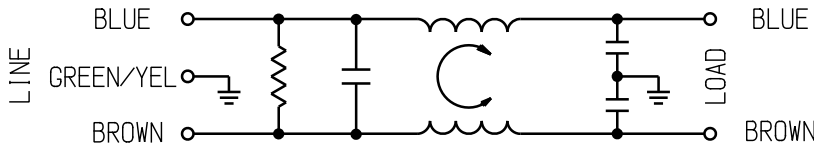
CUSTOMER DRAWING

CATALOG # 3FBH3

ECN#	APPRVD	DATE



ELECTRICAL SCHEMATIC



50 Ω - 50 Ω (TYPICAL) INSERTION LOSS

FREQUENCY MHz	.03	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/
COMMON dB	3	6	11	15	21	24	28	35	40	48	61	/
DIFF. dB	0	0	0	1	5	10	15	18	53	60	78	/

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. 3-1609028-0

SCALE: 1:1	DATE: 29OCT19	DRAWING NUMBER: 3FBH3	REV. A
DRW. BY: LJD	DRIG: JB		



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.
HARRISBURG, PENNSYLVANIA USA.

3FBH3-A.cxd