

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

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 36 AMP, 40°C, 250 VAC PHASE TO NEUTRAL GND.
36 AMP, 40°C, 440 VAC PHASE TO PHASE

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 1.63mA @ 120V 60Hz
2.83mA @ 250V 50Hz

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

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

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

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: 1.2 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.030 μF+25% -20%
LINE TO LINE: 4.4 μF+25% -20%
DISCHARGE RESISTOR: 330K Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO G: 1500 VAC FOR 1 MINUTE
LINE TO N: 1450 VDC FOR 1 MINUTE

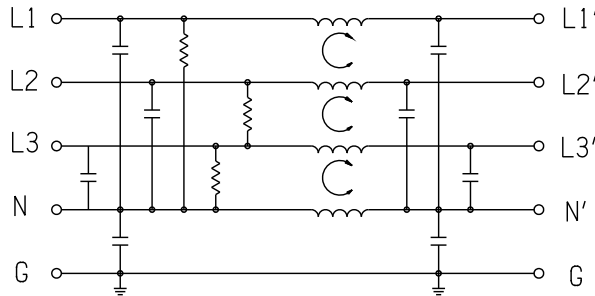
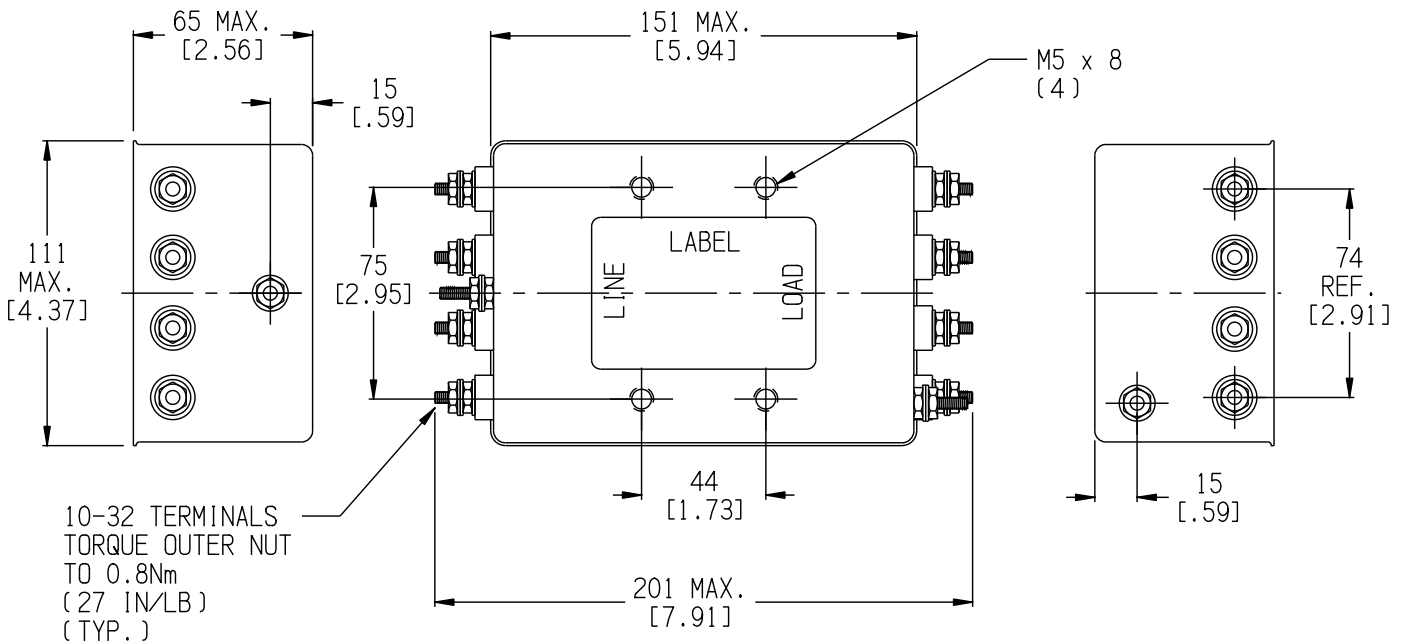
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 36AYA6

ECN#	APPRVD	DATE



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	0.01	0.05	0.10	0.50	1.0	5.0	10	30	/	/	/	/
COMMON dB	1	10	18	49	54	63	57	32	/	/	/	/
DIFF. dB	20	39	36	86	76	65	62	35	/	/	/	/

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.64 [0.025]
MATERIAL & FINISH: AS SUPPLIED

NOTES:



POWER LINE FILTER

TYCO ELECTRONICS PART NO. 6609068-5		SCALE: 1/2	DATE: 08JAN97	DRAWING NUMBER: 36AYA6	REV. A
DRW. BY: SD	DRIG: MAC				

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