

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 RECONGNIZED: UL 1283



CSA CERTIFIED: CSA C22.2 No. 8



VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP, 120/250 VAC
CSA & VDE: 6 AMP/40°C, 250 VAC

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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

LINE CURRENT/VOLTAGE: 6 AMP, 120/250 VAC
UL: 6 AMP/25°C, 120/250 VAC

OPERATING AMBIENT TEMP. RANGE: -10°C TO +25°C @ RATED CURRENT, I_r .
IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING
CURRENT, I_o , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{75}}$$

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:

.3mA @ 120V, 60Hz

.5mA @ 250V, 50Hz

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

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE

LINE TO LINE: 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.

TEST SPECIFICATIONS:

INDUCTANCE: 48.8 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO GROUND: .008 μF ±20%

LINE TO LINE: 1.97 μF ±20%

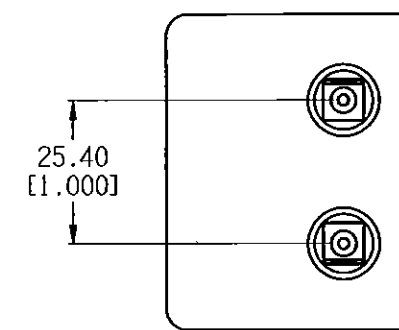
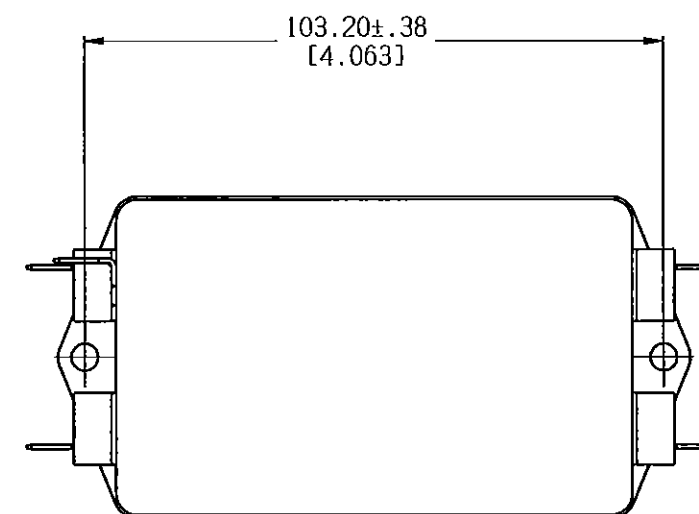
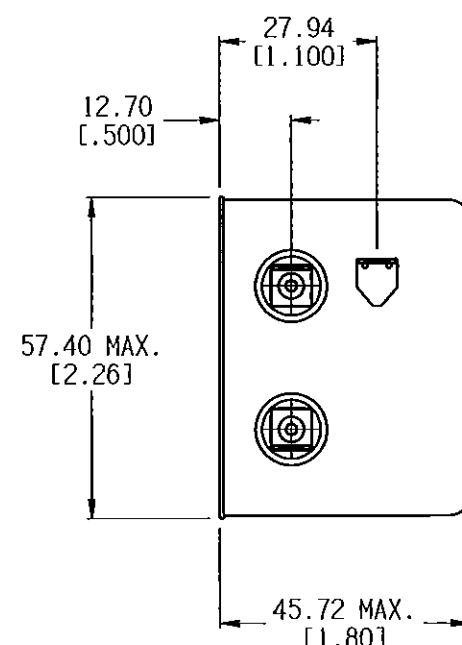
DISCHARGE RESISTOR: 165 KΩ

L/G AND L/L I.R.

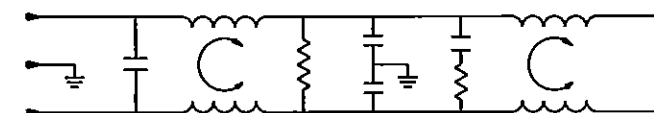
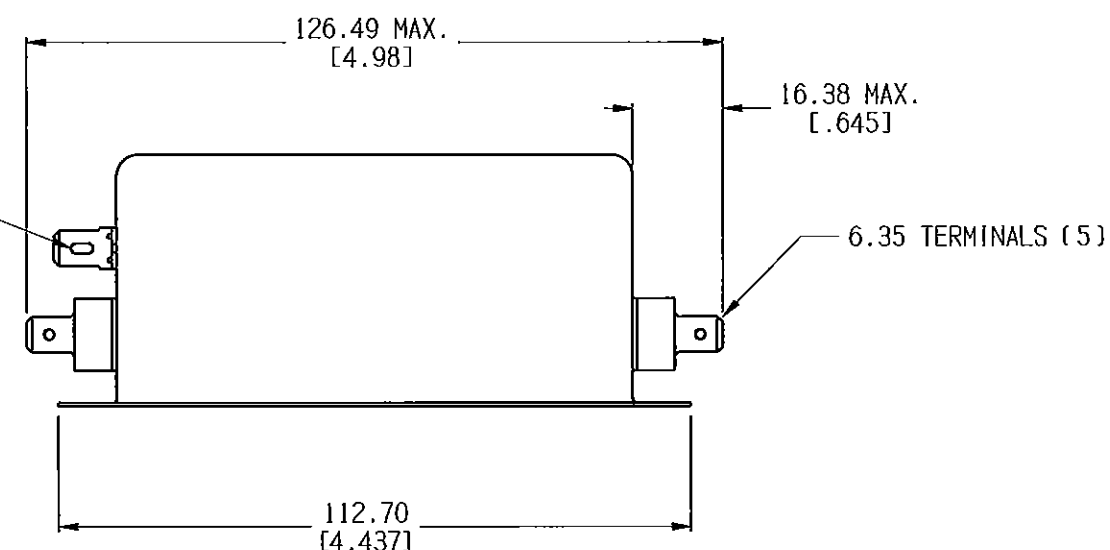
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
20°C AND 50% RH

6EQ1

EC #	APPR.	DDMMYY	REV.
14-015108	TAM	25OCT14	H



1.75 x 3.94
[.069 x .155]
SLOT



50Ω - 50Ω (MINIMUM) INSERTION LOSS													PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCE			
FREQUENCY MHz	.01	.015	.02	.05	.15	.5	2	5	7	10	20	30	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.63 MATERIAL & FINISH: AS SUPPLIED			
COMMON dB	26	28	31	20	68	72	72	68	55	55	50	45				
DIFF. dB	6	4	10	43	70	75	75	65	52	55	55	55	NOTES:			
SHEET SIZE	B															
THIRD ANGLE PROJECTION													TE Connectivity			
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6601 H.kld													New Layout 2			
SCALE: 1/2													TE PART NO: 6609048-5			
DRW. BY: LJD													DATE: 29SEP93			
ORIG: TAM													DRAWING NUMBER: 6EQ1			
													REV. H			