

**SAFETY ORGANIZATION(S).**

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  
 CSA CERTIFIED

UL 1283  
 CSA 22.2 NO. 0, 0.4, 8

**OPERATING SPECIFICATIONS.**

LINE VOLTAGE/CURRENT: 45 OR 60 AMP., 250VAC PHASE/NEUTRAL-GND  
 45 OR 60 AMP., 440VAC PHASE/PHASE  
 50-60HZ  
 LINE FREQUENCY: 1.4mA @ 120V 60HZ  
 MAX. CASE RISE @ RATED CURRENT: 40°C  
 MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: 3.4mA @ 250V 50HZ  
 OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>  
 IN AN AMBIENT, T<sub>o</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:  

$$I_o = I_r \sqrt{\frac{85 - T_o}{45}}$$
  
 RELIABILITY SPECIFICATIONS:  
 STORAGE TEMPERATURE: -25°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH

**TEST SPECIFICATIONS.**

INDUCTANCE: 45A = 2.22mH NOMINAL  
 GROUND CHOKES: 50A = 1.48mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C ±1°C)  
 PHASE/NEUTRAL TO GROUND: .026µF ±20%  
 PHASE TO NEUTRAL: 4.47µF ±20%  
 DISCHARGE RESISTOR: 73.3K OHMS  
 LINE/GROUND AND LINE/LINE INSULATION RESISTANCE (W/O DISCHARGE RESISTOR) 5000 MΩ (MIN) AT 100 VDC  
 RECOMMENDED RECEIVING INSPECTION HIPOTEST: 1500 VAC FOR 1 MINUTE  
 PHASE/NEUTRAL TO GROUND: 1450 VDC FOR 1 MINUTE  
 PHASE TO NEUTRAL:

**FILTER APPROVAL:**

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

**TOLERANCE EXCEPT AS NOTED**

DECIMAL: .XXX .XX .X ANGLES ± 1°  
 ENGLISH: ±.030  
 METRIC: ±

**MATERIAL:**

AS SUPPLIED

**FINISH:**

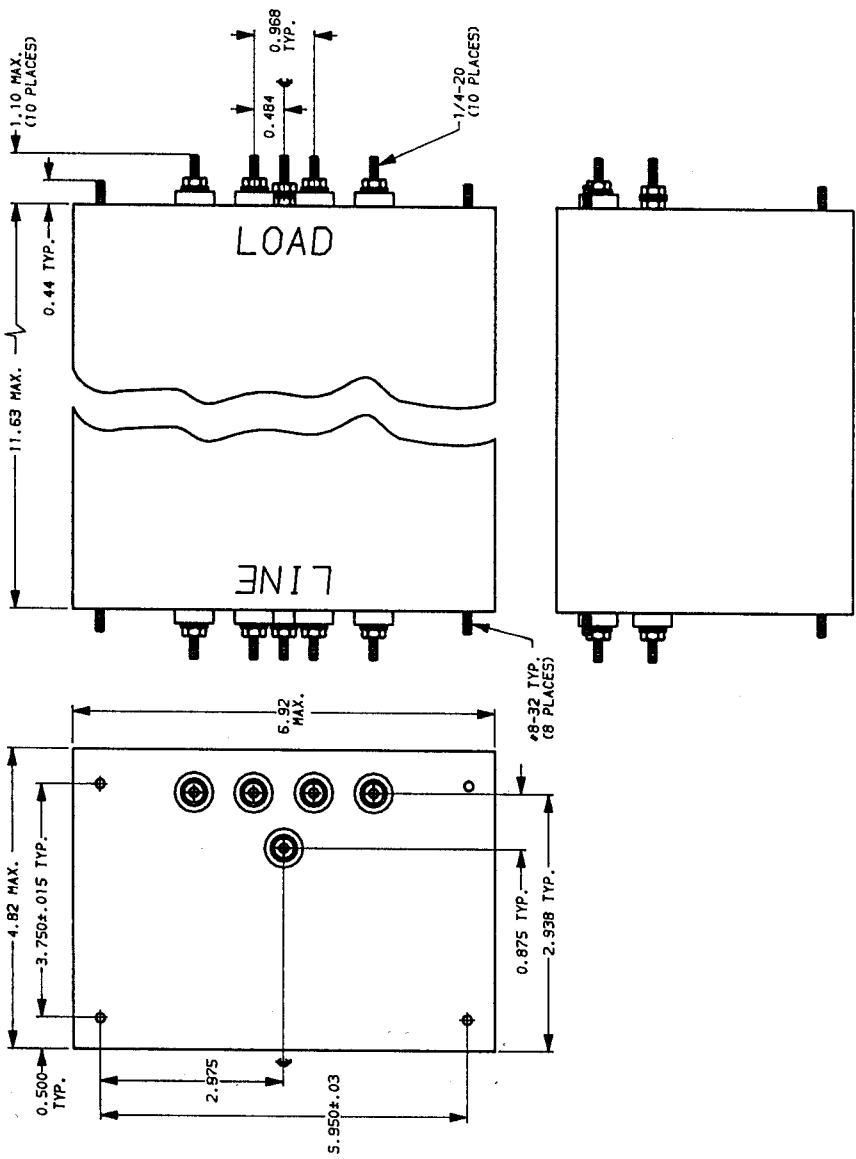
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50Ω - 50Ω (MINIMUM) INSERTION LOSS		INSERTION LOSS					
FREQUENCY MHz	.05	.15	.5	1.0	5.0	10.0	30.0
COMMON 45A	15	43	75	75	75	75	50
dB 50A	12	46	75	75	75	70	45
DIFF. 45A	14	50	75	75	75	75	65
dB 50A	26	58	75	75	75	75	60

SCALE: NTS 4-25-89  
 DWG. BY: LJD  
 CHECKED: CFW  
 DRG. NO.: 45AY16C & 60AY16C  
 REV.: 3

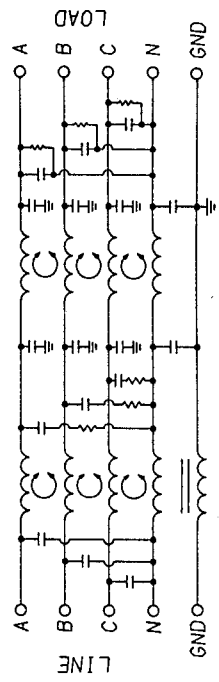


**POWER LINE FILTER**



**NOTES:**

1.) LINE SIDE HAS INSULATED GROUND TERMINAL.



NOTE: COMMON MODE A-B-C & N SHORTED TOGETHER. DIFF. MODE MEASURED N TO A-B-C SHORTED TOGETHER.