

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 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:
MAX. CASE RISE θ RATED CURRENT: 40°C
MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: 1.4mA @ 120V 60Hz
3.4mA @ 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: -25°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C 95% RH

TEST SPECIFICATIONS:

INDUCTANCE:
45A = 2.22mH NOMINAL
60A = 1.48mH NOMINAL
GROUND CHOKE:
45A = .261mH NOMINAL
60A = .242mH NOMINAL
CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C $\pm$ 1°C)
PHASE/NEUTRAL TO GROUND:
- .026 μ F $\pm$ 20%
PHASE TO NEUTRAL:
4.47 μ F $\pm$ 20%
DISCHARGE RESISTOR:
73.3K OHMS
LINE/GROUND AND LINE/LINE
INSULATION RESISTANCE
5000 M Ω (MIN) AT 100 VDC
(W/O DISCHARGE RESISTOR)
20°C AND 50% RH
RECOMMENDED RECEIVING INSPECTION HIPOTEST:
PHASE/NEUTRAL TO GROUND: 1500 VAC FOR 1 MINUTE
PHASE TO NEUTRAL: 1450 VDC FOR 1 MINUTE

FINISH:

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

TOLERANCE EXCEPT AS NOTED

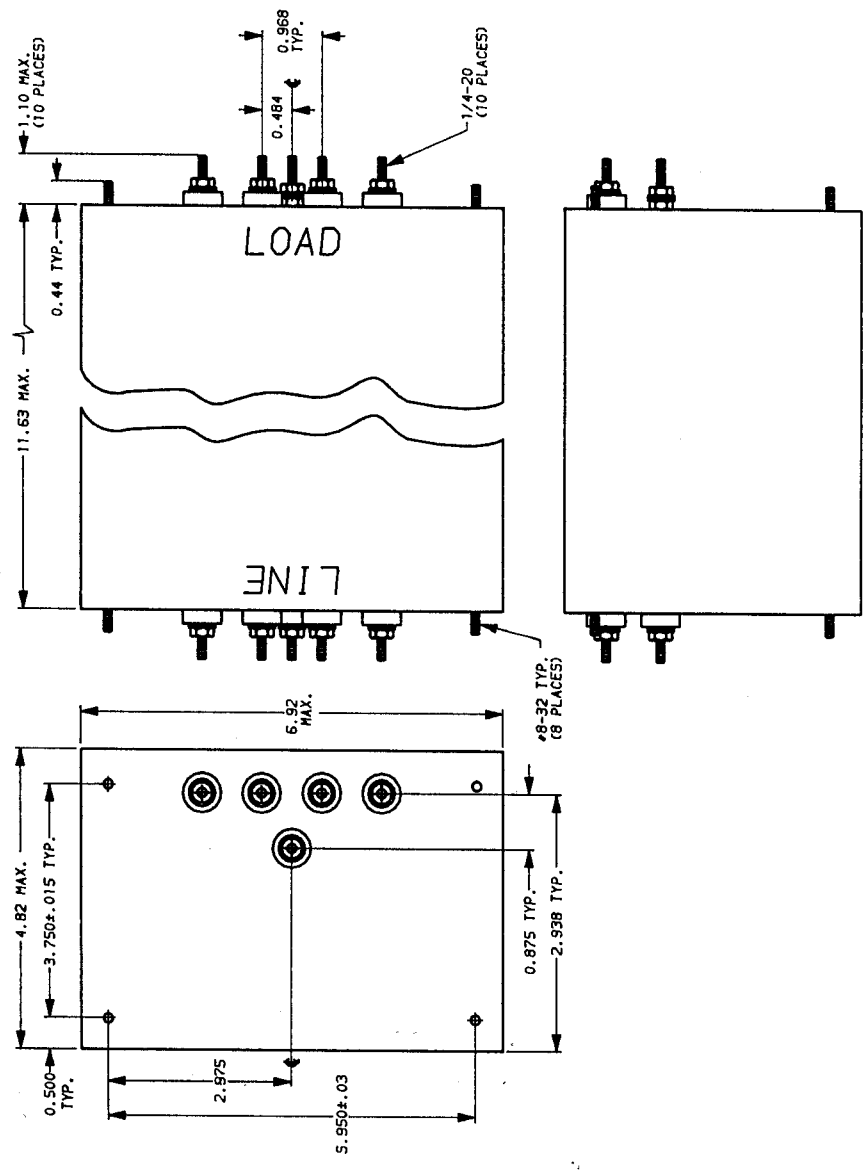
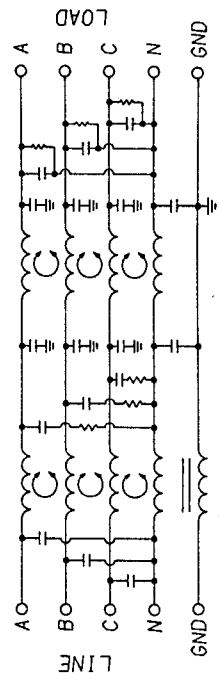
DECIMAL: .XX .XX .X ANGLES $\pm$ 1°
ENGLISH: $\pm$.030
METRIC: $\pm$ —
MATERIAL: AS SUPPLIED

FINISH:

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

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



NOTES:

1.) LINE SIDE HAS INSULATED GROUND TERMINAL.

corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS 4-25-89
DATE: 4-25-89
DESIGN: LJD
DWG. NO.: 45AY16C & 60AY16C
REV.: 3