

**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  $\theta$  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 $\mu$ F  $\pm$  20%  
PHASE TO NEUTRAL:  
4.47 $\mu$ F  $\pm$  20%  
DISCHARGE RESISTOR:  
73.3K OHMS  
LINE/GROUND AND LINE/LINE  
INSULATION RESISTANCE  
5000 M $\Omega$  (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.

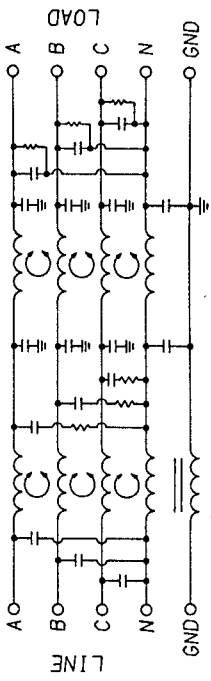
**TOLERANCE EXCEPT AS NOTED**

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

**FINISH:**

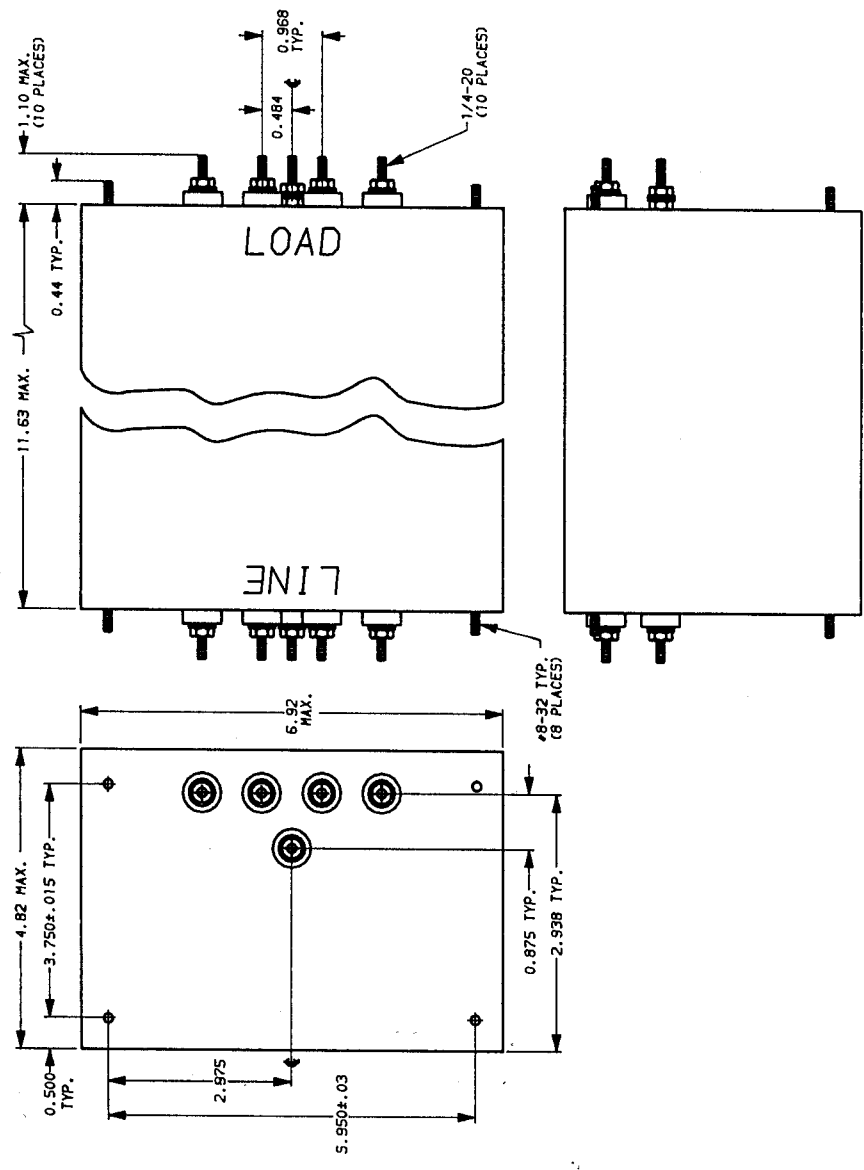
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50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS		FREQUENCY MHz											
		0.05	.15	.5	1.0	5.0	10.0	30.0	50	75	75	75	75
COMMON 45A	15	43	75	75	75	75	75	75	75	75	75	75	75
COMMON 60A	12	46	75	75	75	75	75	75	75	75	75	75	75
DIFF. 45A	14	50	75	75	75	75	75	75	75	75	75	75	75
DIFF. 60A	26	58	75	75	75	75	75	75	75	75	75	75	75



1.) LINE SIDE HAS INSULATED GROUND TERMINAL.

**NOTES:**



**corcom**  
LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

SCALE: NTS 4-25-89  
DATE: 4-25-89  
DESIGNER: LJD  
DRA. NO.: 45AYT6C & 60AYT6C  
REV. 3

# Mouser Electronics

Authorized Distributor

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