

DESCRIPTION	APP'D./DATE	REV
C. W. ...	8-27-90	1

**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 OPERATING SPECIFICATIONS. LINE VOLTAGE/CURRENT,
  - UL 1283 CSA 22.2 NO. 0, 0.4, 8
  - 20 OR 30 AMP, 250VAC PHASE TO NEUTRAL/GND
  - 20 OR 30 AMP, 440VAC PHASE TO PHASE
  - 50-60Hz
  - 1.4 ma @ 120 V 60 Hz
  - 3.4 ma @ 250 V 50 Hz
  - 10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>
- LINE FREQUENCY,
  - MAX. LEAKAGE CURRENT, EACH LINE TO GROUND
  - OPERATING AMBIENT TEMP. RANGE,
    - IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

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

- RELIABILITY SPECIFICATIONS. STORAGE TEMPERATURE,
  - 25°C to +85°C
  - 21 DAYS @ 40°C 95% RH HUMIDITY.

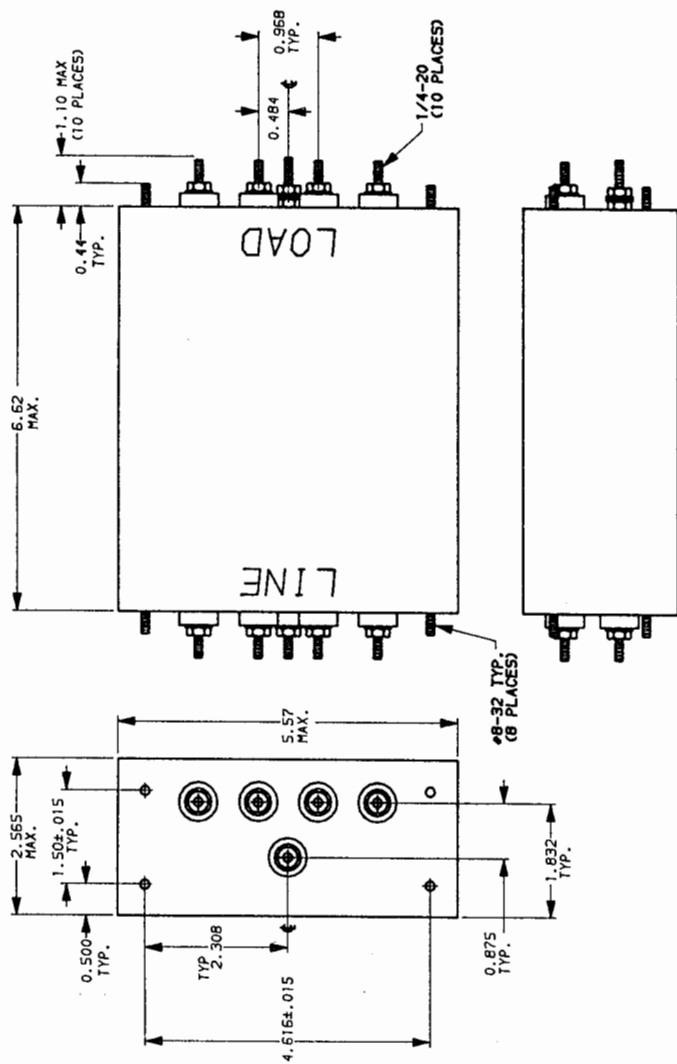
**TEST SPECIFICATIONS:**

- INDUCTANCE, 20A = 4.44mH NOMINAL 30A = 1.97 mH NOMINAL .261mH NOMINAL (GND CHOKE)
- CAPACITANCE: (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C ±1°C)
  - PHASE/NEUTRAL TO GROUND, .018uF ±20%
  - PHASE TO NEUTRAL, 3.29uF ±20%
  - DISCHARGE RESISTOR; 110 KΩ
  - PHASE/NEUTRAL TO GROUND AND PHASE TO PHASE INSULATION RESISTANCE, (W/O DISCHARGE RESISTOR) 5000 MΩ (MIN) AT 100 VDC 20°C AND 50% RH

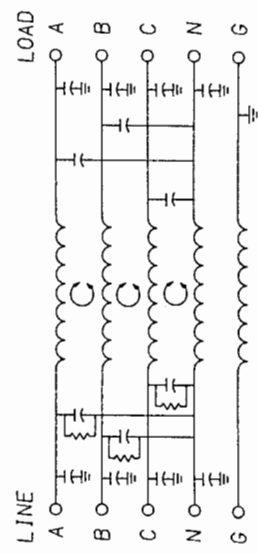
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

- PHASE TO GROUND 1500 VAC FOR 1 MINUTE
- NEUTRAL TO GROUND 1500 VAC FOR 1 MINUTE
- PHASE TO NEUTRAL 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.



NOTE: UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.045



50Ω - 50n (MINIMUM) INSERTION LOSS	
FREQUENCY MHZ	COMMON
.05	22 39 55 56 65 65 54
.15	15 30 55 55 61 63 50
.50	20 50 65 65 65 60 52
1.0	5 43 65 65 65 59 49
1.05	
10	
30	

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TOLERANCE EXCEPT AS NOTED  
DECIMAL: .XXX .XX .X ANGLES ± 1°  
ENGLISH: —  
METRIC: ± —

MATERIAL: AS SUPPLIED

FINISH:



POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
1:2	5-9-88		
DESIGNED BY	ORIGINATOR	20AYP6C & 30AYP6C.01	
TDL	CW		