

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

UL 1283

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:
20 OR 30 AMP, 250VAC PHASE TO NEUTRAL/GND
20 OR 30 AMP, 440VAC PHASE TO PHASE
50-60Hz
1.4 ma @ 120 V 50 Hz
3.4 ma @ 250 V 50 Hz
-10°C TO +40°C @ RATED CURRENT, I_L

LINE FREQUENCY:

MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND
OPERATING AMBIENT TEMP. RANGE:

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

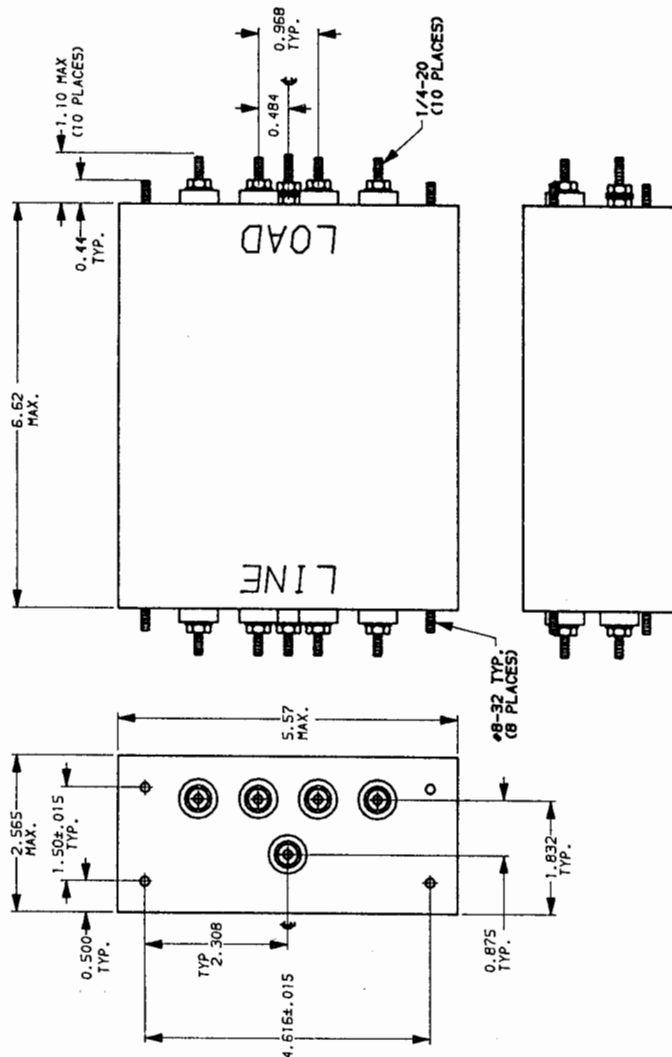
TEST SPECIFICATIONS:

INDUCTANCE: 20A = 4.4mH NOMINAL 30A = 1.97 mH NOMINAL
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: 5000 MΩ (MIN) AT 100 VDC
(W/O DISCHARGE RESISTOR) 20°C AND 50% RH

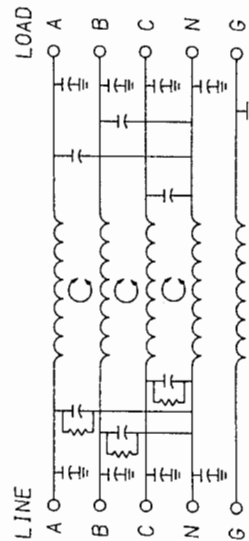
RECOMMENDED RECEIVING INSPECTION HIPOT:

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



50n - 50n (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.05	.15	.50	1.0	5.0	10	30
COMMON	20A	22	39	55	56	65	65
dB	30A	15	30	55	55	61	63
DIFF.	20A	20	50	65	65	65	60
dB	30A	5	14	65	65	65	59

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TOLERANCE EXCEPT AS NOTED

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

MATERIAL: AS SUPPLIED

FINISH:



LIBERTYVILLE, IL 60048

POWER LINE FILTER

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