

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
 VDE 0565-3 (20AYT6C ONLY)

OPERATING SPECIFICATIONS.

LINE VOLTAGE/CURRENT:
 20 OR 30 AMP., 250VAC PHASE/NEUTRAL-GND
 20 OR 30 AMP., 440VAC PHASE/PHASE
 50-60Hz
 LINE FREQUENCY, 40°C
 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,

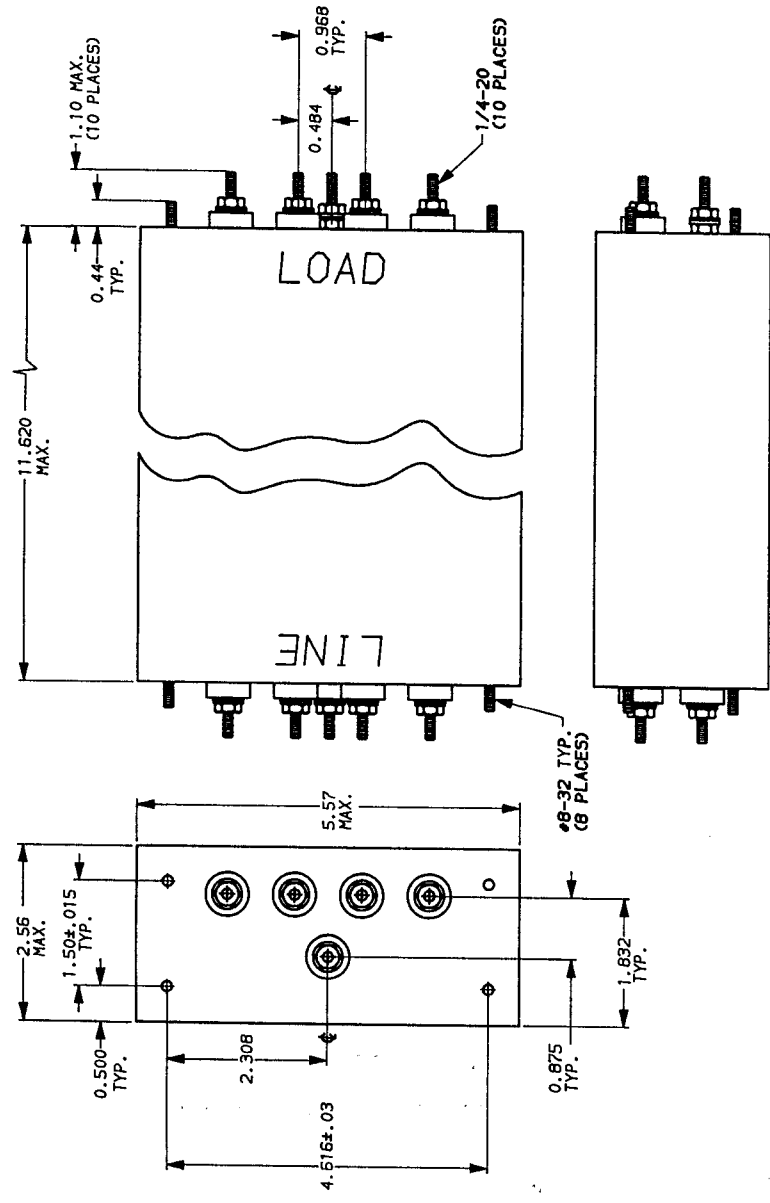
$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

RELIABILITY SPECIFICATIONS.

STORAGE TEMPERATURE,
 -25°C TO +85°C
 HUMIDITY,
 21 DAYS @ 40°C 95% RH

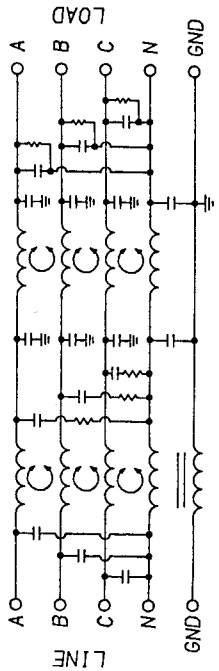
TEST SPECIFICATIONS.

INDUCTANCE, 20A = 7.0mH NOMINAL 30A = 3.32mH NOMINAL
 GROUND CHOKE, .261mH NOMINAL
 CAPACITANCE, MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C $\pm 1^\circ$ C
 PHASE/NEUTRAL TO GROUND,
 .026 μ F $\pm 20\%$
 PHASE TO NEUTRAL,
 4.47 μ F $\pm 20\%$
 DISCHARGE RESISTOR,
 73.3K OHMS
 INSULATION RESISTANCE
 LINE/GROUND AND LINE/LINE
 6000 M Ω (MIN) AT 100 VDC
 20°C AND 50% RH
 (W/O DISCHARGE RESISTOR)
 RECOMMENDED RECEIVING INSPECTION HIPOTL,
 PHASE/NEUTRAL TO GROUND,
 1500 VAC FOR 1 MINUTE
 PHASE TO NEUTRAL,
 1450 VDC FOR 1 MINUTE



- NOTES:
 1.) UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE $\pm .030$
 2.) 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.



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

50n - 50n (MINIMUM) INSERTION LOSS		TOLERANCE EXCEPT AS NOTED	
FREQUENCY MHz	50n	DECIMAL, .XXX .XX .X ANGLES ENGLISH, $\pm .025$ METRIC, $\pm 1^\circ$	
COMMON 20A	.05	.15	.5
COMMON 30A	.15	.5	1.0
DIFF. 20A	.45	.70	.75
DIFF. 30A	.29	.61	.75
DIFF. 30A	.27	.65	.70
DIFF. 30A	.17	.55	.75
DIFF. 30A	.17	.55	.75
DIFF. 30A	.17	.55	.75
DIFF. 30A	.17	.55	.75



POWER LINE FILTER

SCALE NTS 4-25-89
 DATE 4-25-89
 BY LJD
 ORIGINATOR CFW
 DRG. NO. 20AYT6C & 30AYT6C
 RE. 4

FINISH:

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