

**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  
 TUV LICENSED AT 19.5 AMPS  
 VDE 0565-3 (20AYT6C ONLY)

**OPERATING SPECIFICATIONS.**

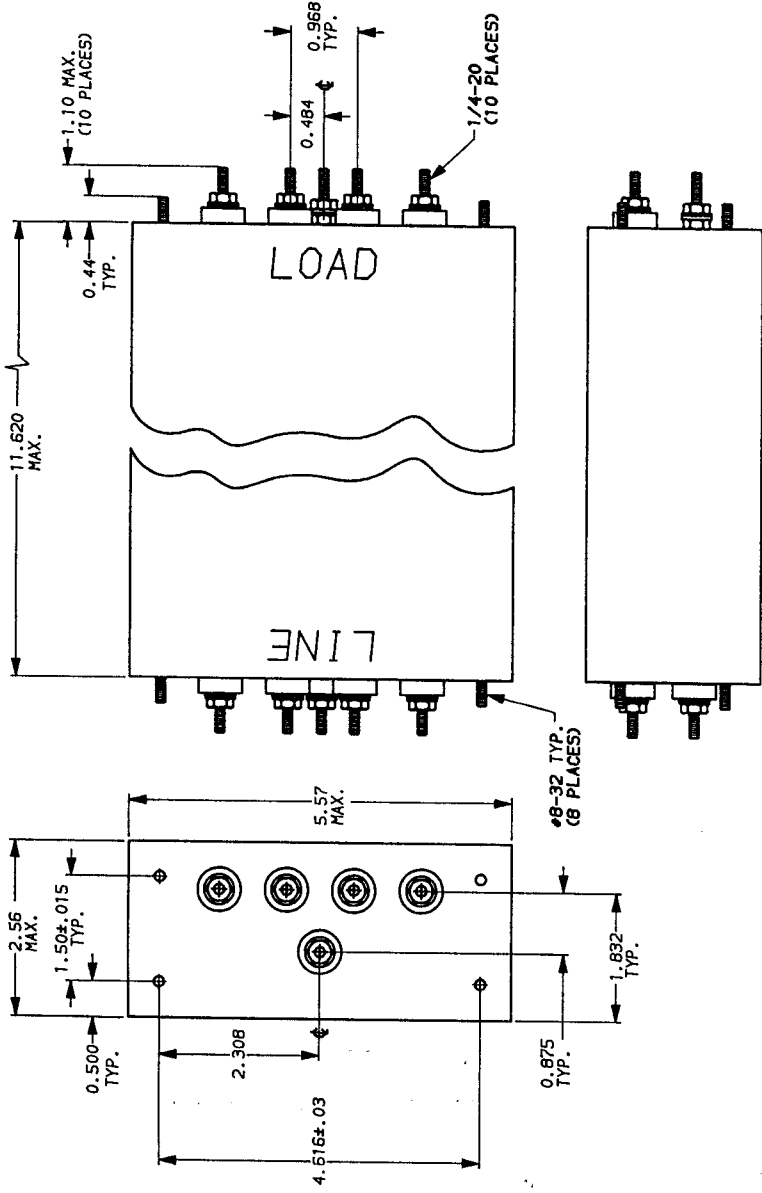
LINE VOLTAGE/CURRENT, 20 OR 30 AMP., 250VAC PHASE/NEUTRAL-GND  
 50-60HZ  
 LINE FREQUENCY, 40°C  
 MAX. CASE RISE  $\theta$  RATED CURRENT, 1.4mA @ 120V 60HZ  
 MAX. LEAKAGE CURRENT, EACH 3.4mA @ 250V 50HZ  
 LINE TO GROUND -10°C TO +40°C  $\theta$  RATED CURRENT, I<sub>r</sub>  
 OPERATING AMBIENT TEMP. RANGE, IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS,  
 $I_o = I_r \sqrt{\frac{95-T_a}{45}}$   
 -25°C TO +85°C  
 21 DAYS @ 40°C 95% RH

**RELIABILITY SPECIFICATIONS.**

STORAGE TEMPERATURE,  
 HUMIDITY,

**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 ±1°C)  
 PHASE/NEUTRAL TO GROUND, .025 $\mu$ F ±20%  
 PHASE TO NEUTRAL, 4.47 $\mu$ F ±20%  
 DISCHARGE RESISTOR, 73.3K OHMS  
 LINE/GROUND AND LINE/LINE INSULATION RESISTANCE 6000 M $\Omega$  (MIN) AT 100 VDC  
 (W/O DISCHARGE RESISTOR) 20°C AND 50% RH  
 RECOMMENDED RECEIVING INSPECTION HIPOIT,  
 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 ±.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.

50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS		TOLERANCE EXCEPT AS NOTED	
FREQUENCY MHZ	DIFF.	DECIMAL, .XXX	ENGLISH, ±.025
20A	45	0.05	.15
30A	45	1.0	5.0
20A	61	5.0	10.0
30A	61	10.0	30.0
20A	75	75	75
30A	75	75	75
20A	85	75	75
30A	85	75	75

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**FILTER APPROVAL.**

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

TOLEANCE EXCEPT AS NOTED  
 DECIMAL, .XXX .XX .X ANGLES  
 ENGLISH, ±.025  
 METRIC, ±

MATERIAL: AS SUPPLIED

FINISH:



LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	4-25-88	20AYT6C & 30AYT6C	4
DES. BY	ORIGINATOR		
LJD	CFW		

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