

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  
 20 OR 30 AMP., 440VAC PHASE/PHASE  
 50-60HZ  
 LINE FREQUENCY:  
 MAX. CASE RISE  $\theta$  RATED CURRENT, 40°C  
 MAX. LEAKAGE CURRENT, EACH  
 1.4mA @ 120V 60HZ  
 3.4mA @ 250V 50HZ  
 LINE TO GROUND  
 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:  
 $I_o = I_r \sqrt{\frac{95-t_a}{45}}$

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 ±1°C)  
 PHASE/NEUTRAL TO GROUND,  
 .026 $\mu$ F ±20%  
 PHASE TO NEUTRAL,  
 4.47 $\mu$ F ±20%  
 DISCHARGE RESISTOR,  
 73.3K OHMS  
 LINE/GROUND AND LINE/LINE  
 6000 M $\Omega$  (MIN) AT 100 VDC  
 (W/O DISCHARGE RESISTOR)  
 20°C AND 50% RH  
 RECOMMENDED RECEIVING INSPECTION HIPOI,  
 PHASE/NEUTRAL TO GROUND,  
 1500 VAC FOR 1 MINUTE  
 PHASE TO NEUTRAL,  
 1450 VDC FOR 1 MINUTE

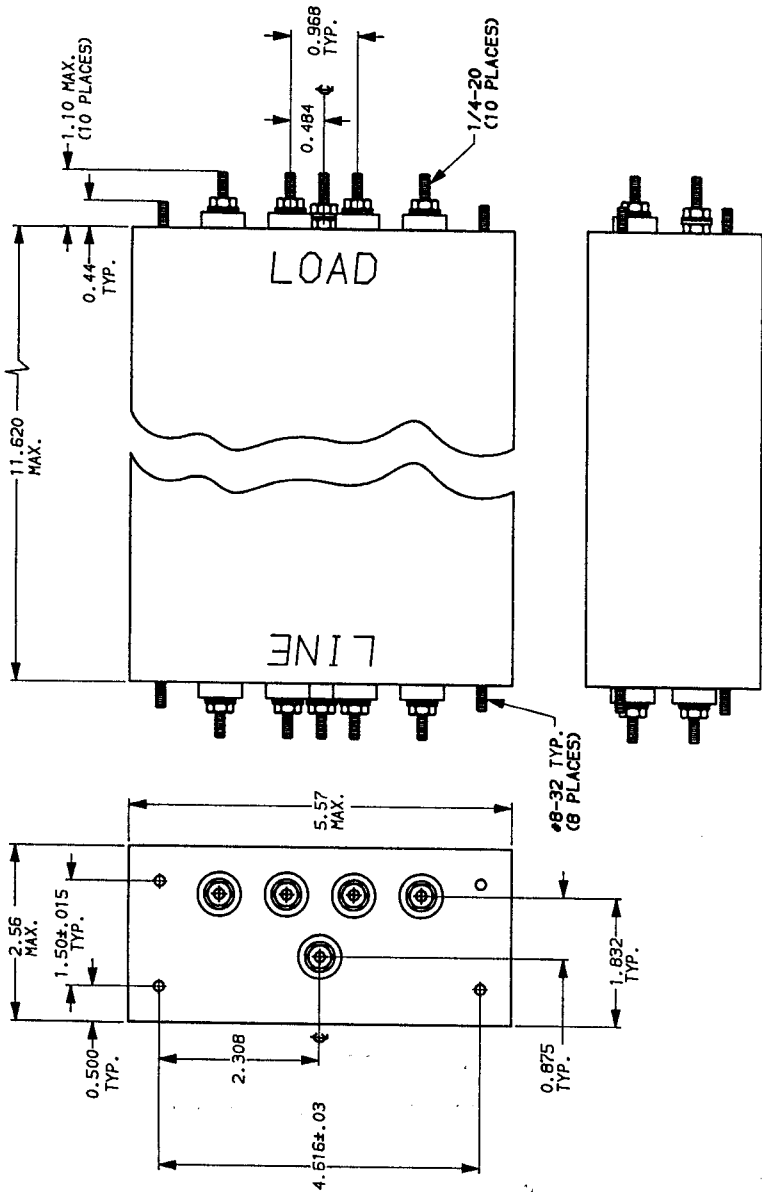
FILTER APPROVAL  
 THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



LIBERTYVILLE, IL 60048

POWER LINE FILTER

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



- 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	
FREQUENCY MHZ	COMMON
10	30.0
15	25.0
20	20.0
25	15.0
30	10.0
35	7.5
40	5.0
45	3.0
50	1.0
75	0.5
100	0.3
150	0.2
200	0.1
300	0.1
400	0.1
500	0.1
750	0.1
1000	0.1
1500	0.1
2000	0.1
3000	0.1
4000	0.1
5000	0.1
7500	0.1
10000	0.1

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