

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

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:
20 OR 30 AMP, 250VAC PHASE TO NEUTRAL/GND
20 OR 30 AMP, 440VAC PHASE TO PHASE
- LINE FREQUENCY:
50-60Hz
- MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND
1.4 ma @ 120 V 50 Hz
3.4 ma @ 250 V 50 Hz
- 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:

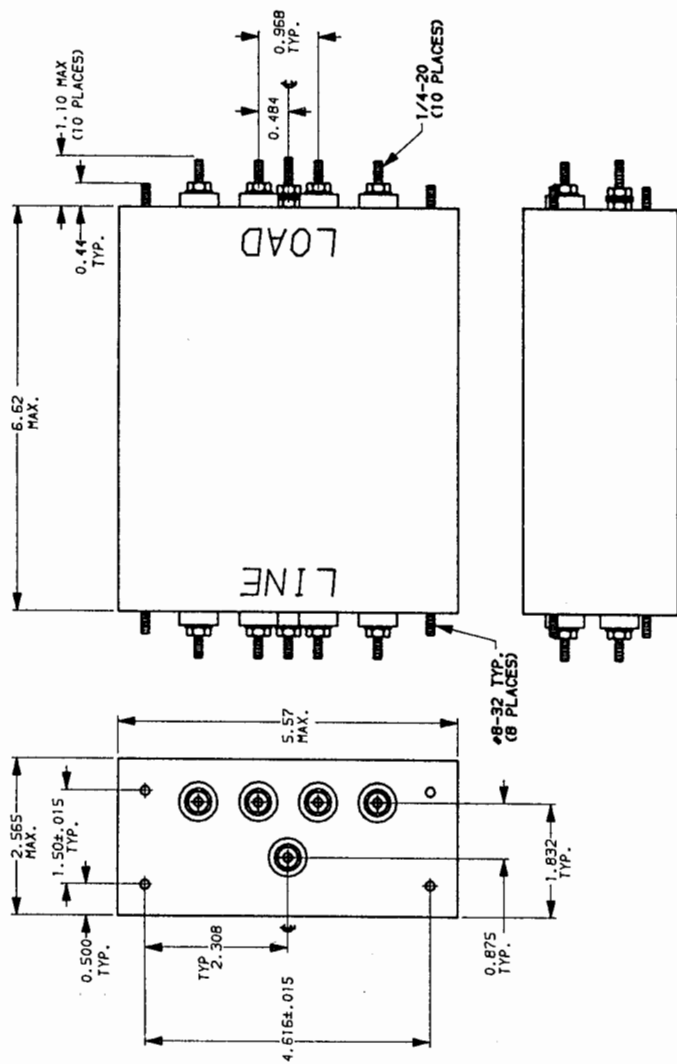
- INDUCTANCE:
20A = 4.4mH NOMINAL 30A = 1.97 mH NOMINAL
.261mH NOMINAL (GND CHOKES)
- CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)
PHASE/NEUTRAL TO GROUND:
.018uF ±20%
3.29uF ±20%
110 KΩ
- DISCHARGE RESISTOR:
PHASE/NEUTRAL TO GROUND AND
PHASE TO PHASE INSULATION
RESISTANCE:
(W/O DISCHARGE RESISTOR)
5000 MΩ (MIN) AT 100 VDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOTEST:

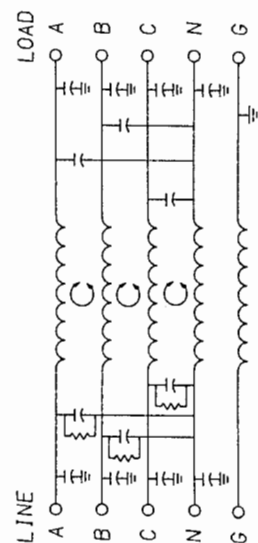
- PHASE TO GROUND
1500 VAC FOR 1 MINUTE
- NEUTRAL TO GROUND
1500 VAC FOR 1 MINUTE
- PHASE TO NEUTRAL
1450 VDC FOR 1 MINUTE

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 - 50Ω (MINIMUM) INSERTION LOSS									
FREQUENCY MHz	.05	.15	.50	1.0	5.0	10	30	50	100
COMMON	20A	22	39	55	56	65	65	65	54
dB	30A	15	30	55	55	61	63	50	
DIFF.	20A	20	50	65	65	65	60	52	
dB	30A	5	14	65	65	65	59	49	

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

MATERIAL: AS SUPPLIED

FINISH:



POWER LINE FILTER

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

Mouser Electronics

Authorized Distributor

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