

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 565-3
- SEV 1055/TP1977/5.1.1

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:

- 6 AMP., 120/250 VAC
- 5 AMP./40°C, 250 VAC
- 50-60Hz

LINE FREQUENCY:

- .3mA @ 120V 60Hz
- .5mA @ 250V 50Hz

MAX. LEAKAGE CURRENT, EACH

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:

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

RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE:

- 25°C TO +85°C

HUMIDITY:

- 21 DAYS @ 40°C 95% RH

CURRENT OVERLOAD TEST:

- 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:

- 18.5 mH NOMINAL

CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)

LINE TO GROUND:

- .008μF ±20%

LINE TO LINE:

- .94μF ±20%

DISCHARGE RESISTOR:

- 330KΩ

LINE/GROUND AND LINE/LINE

INSULATION RESISTANCE

- 6000 MΩ (MIN) AT 100 VDC

(W/O DISCHARGE RESISTOR)

- 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINES TO GROUND:

- 2250 VDC FOR 1 MINUTE

LINE TO LINE:

- 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.

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.15	.50	1.0	2.0	5.0	8.0	10	20	30
COMMON dB	16	26	30	41	47	44	43	43	40	40	42	42
DIFF. dB	4	2	14	51	70	70	65	50	47	50	55	

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TOLERANCE EXCEPT AS NOTED

DECIMAL: .XXX .XX .X ANGLES

ENGLISH: ±.025

METRIC: ±

MATERIAL:

AS SUPPLIED

FINISH:



LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE NTS DATE 5-12-88 DRG. NO.

DRW. BY TDL ORIGINATOR CW

REV. 6ET3.02

