

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

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 20 AMP., 120/250 VAC
16 AMP./40°C, 250 VAC
50-60Hz
40°C
- LINE FREQUENCY: 0.5mA at 120V 60 Hz
1.0 mA at 250V 50 Hz
- MAX. CASE RISE θ RATED CURRENT: -10°C TO +40°C θ RATED CURRENT, I_r
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND
- OPERATING AMBIENT TEMP. RANGE: 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: -40°C TO +85°C
- HUMIDITY: 21 DAYS @ 40°C 95% RH
- CURRENT OVERLOAD TEST: 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

- INDUCTANCE: .96 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C \pm 1°C)
LINE TO GROUND: .011 μ F \pm 20%
- LINE TO LINE: .813 μ F \pm 20%
- DISCHARGE RESISTOR: 330 K Ω
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE (W/O DISCHARGE RESISTOR): 6000 M Ω (MIN) AT 100 VDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

- LINE 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.

50 Ω - 50 Ω (MINIMUM)		INSERTION LOSS					
FREQUENCY MHZ	15	5	10	20	30		
COMMON dB	15	30	38	32	43	42	40
DIFF. dB	40	65	65	65	50	48	48

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TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES
ENGLISH: \pm .025
METRIC: \pm 1%



POWER LINE FILTER

SCALE: NTS 9-12-89
DATE: 9-12-89
DRG. NO.: 20VS1.07
REV.:
DRM. BY: TDL
ORIGINATOR: CW

FINISH:

AS SUPPLIED

