

C. Westerb 12-5-90
APPROVED/DATE

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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 1283
- CSA 22.2, NO.0,0.4,8
- VDE 565-3

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 20 AMP., 120/250 VAC
16A/40°C, 250VAC
- LINE FREQUENCY: 50-60Hz
- MAX. CASE RISE & RATED CURRENT: 40°C
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: .3 mA at 120V 60 Hz
.5 mA at 250V 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: -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: 6.06 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C) .004µF ±20%
- LINE TO GROUND: .54µF ±20%
- DISCHARGE RESISTOR: 470KΩ
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 MΩ (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.

50Ω - 50Ω (MINIMUM) INSERTION LOSS									
FREQUENCY MHz	.01	.08	.1	.15	.5	1.0	5.0	10	30
COMMON dB	7	22	24	28	35	38	45	45	45
DIFF. dB	1	10	8	8	45	60	65	60	60

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TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES ± 1°
ENGLISH: ±.025
METRIC: ± —
MATERIAL: AS SUPPLIED
FINISH: AS SUPPLIED

SCALE: NTS
DATE: 9-12-89
DRG. NO.: 20ESK6.01
REV.:
ORIGINATOR: TDL
CW



POWER LINE FILTER

