

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  
VDE APPROVED

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

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:

2 AMP., 120/250 VAC  
2 AMP./40°C, 250 VAC  
50-60Hz  
30°C

LINE FREQUENCY:

MAX. CASE RISE  $\theta$  RATED CURRENT:  
MAX. LEAKAGE CURRENT, EACH  
LINE TO GROUND

.5 mA at 120V 60 Hz  
1.0 mA at 250V 50 Hz

OPERATING AMBIENT TEMP. RANGE:

-10°C TO +40°C  $\theta$  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  $\theta$  40°C 95% RH

CURRENT OVERLOAD TEST:

6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:

.539 mH NOMINAL

CAPACITANCE: (MEASURED  $\theta$  1 KHz, 0.25 VAC MAX., 25°C  $\pm$ 1°C)

LINE TO GROUND: .011 $\mu$ F  $\pm$ 20%

LINE TO LINE: .203 $\mu$ F  $\pm$ 20%

DISCHARGE RESISTOR 1.5M $\Omega$

LINE/GROUND AND LINE/LINE 6000 M $\Omega$  (MIN) AT 100 VDC

INSULATION RESISTANCE 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.

50 $\mu$ - 50 $\mu$ (MINIMUM) INSERTION LOSS									
FREQUENCY MHz	15	5	1	2	5	10	20	30	
COMMON dB	11	25	33	40	50	53	55	55	
DIFF. dB	6	6	40	58	60	60	47	50	

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

MATERIAL:

AS SUPPLIED

FINISH:

AS SUPPLIED



POWER LINE FILTER

SCALE DATE 7-31-90  
DRW. BY NTS  
ORIGINATOR CFW  
CFW

DRG. NO. 2VK1.05

REV.

