

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:  
 5 AMP., 120/250 VAC  
 5 AMP./40°C, 250 VAC  
 50-60HZ  
 40°C

LINE FREQUENCY:  
 MAX. CASE RISE  $\theta$  RATED CURRENT:  
 MAX. LEAKAGE CURRENT, EACH  
 LINE TO GROUND  
 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:  
 .516 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  
 INSULATION RESISTANCE  
 6000 M $\Omega$  (MIN) AT 100 VDC  
 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 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS									
FREQUENCY MHZ	.15	.4	.5	1	2	5	10	20	30
COMMON dB	8	21	25	32	40	46	50	53	53
DIFF. dB	3	3	22	45	60	65	65	50	50

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TOLERANCE EXCEPT AS NOTED  
 DECIMAL: .XXX .XX .X ANGLES  
 ENGLISH:  $\pm$ .025  
 METRIC:  $\pm$  \_\_\_\_\_  
 MATERIAL:  
 AS SUPPLIED

FINISH:  
 AS SUPPLIED



**CORCOM**  
 LIBERTYVILLE, IL 60048  
**POWER LINE FILTER**

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

DRG. NO.: 5VK7 & 5VK7M  
 REV. 6

