

C. W. J. 5-21-92  
APPROVED BY/DATE  
REV 6

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  
SEV APPROVED  
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  
40°C  
.25mA at 120V 60 Hz  
.48 mA at 250V 50 Hz  
-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:  
7.8 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
LINE TO GROUND:  
.006μF ±20%  
LINE TO LINE:  
.54μF ±20%  
DISCHARGE RESISTOR  
330 KΩ  
LINE/GROUND AND LINE/LINE  
6000 MΩ (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.

TOLERANCE EXCEPT AS NOTED

DECIMAL: .XXX .XX .X ANGLES  
ENGLISH: ±.025 ±1°  
METRIC: ±

MATERIAL:

AS SUPPLIED

FINISH:

AS SUPPLIED



LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	9-12-89	6ESK7 & 6ESK7M	6
DRW. BY	ORIGINATOR		
TDL	CW		

50Ω - 50Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.02	.05	.08	.1	.15	.5	1	5	10	20	30
COMMON dB	7	13	21	29	30	33	42	42	42	42	36	27
DIFF. dB	1	1	2	3	10	25	59	65	62	40	40	40

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