

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:

20 AMP., 120/250 VAC
16A/40°C, 250VAC

LINE FREQUENCY:

50-60Hz
40°C

MAX. CASE RISE & RATED CURRENT:

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:

LINES TO GROUND:

2250 VDC FOR 1 MINUTE

LINE TO LINE:

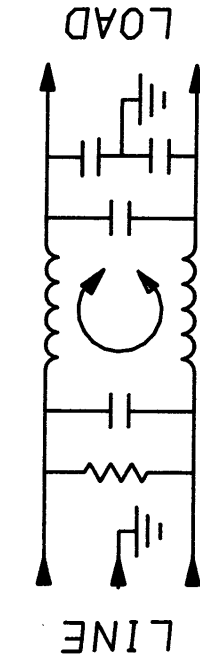
1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

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



LIBERTYVILLE, IL 60048

POWER LINE FILTER

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

20ESK6.01

Mouser Electronics

Authorized Distributor

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