

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:

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

LINE FREQUENCY:

MAX. CASE RISE θ RATED CURRENT:
MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND
OPERATING AMBIENT TEMP. RANGE:

.5 mA at 120V 60 Hz
1.0 mA at 250V 50 Hz
-10°C TO +40°C θ 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 θ 40°C 95% RH

CURRENT OVERLOAD TEST:

6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 7.06 mH NOMINAL

CAPACITANCE: MEASURED θ 1 KHz, 0.25 VAC MAX., 25°C \pm 1°C

LINE TO GROUND:

.011 μ F \pm 20%

LINE TO LINE:

.54 μ F \pm 20%

DISCHARGE RESISTOR

330 K Ω

LINE/GROUND AND LINE/LINE

6000 M Ω (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 Ω - 50 Ω (MINIMUM)		INSERTION LOSS										
FREQUENCY MHz	.01	.02	.05	.08	.1	.15	.5	1	5	10	20	30
COMMON dB	6	11	19	24	26	31	50	44	42	42	42	42
DIFF. dB	1	1	2	3	10	25	59	65	62	40	40	40

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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



CORCOM
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	8-7-90	3VSK7 & 3VSK7M	6
DRW. BY	ORIGINATOR		
CFW	CFW		

#6-32 X .25 INSERT
OR M3 X .5 (2)

0.078 REF

\pm .020
.63

2.25 MAX
1.575 \pm .015

1.53 MAX

.157 \pm .002 DIA

.250 FASTON .069 \pm .003 HOLE (3 PLACES)

0.645 MAX

1.575
1.295

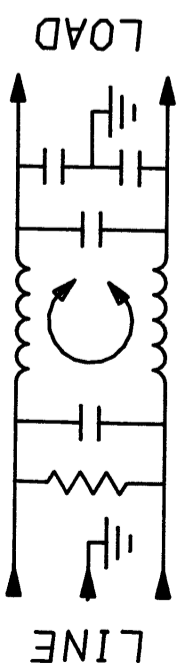
.235 R TYP

.910

PANEL CUTOUP
TOLERANCE \pm .005

0.069 X 0.155 SLOT

0.620
1.00



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