

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 (PENDING)

UL 1283
CSA 22.2, NO.0,0,4,8
VDE 565-3

OPERATING SPECIFICATIONS:
LINE VOLTAGE/CURRENT:
LINE FREQUENCY:
MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND
OPERATING AMBIENT TEMP. RANGE:
IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING
CURRENT, I_o , IS AS FOLLOWS:
 $I_o = I_r \sqrt{\frac{85-T_a}{45}}$

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

.25 mA @ 120V 60 Hz
.48 mA @ 250V 50 Hz
-10°C TO +40°C @ RATED CURRENT, I_r

RELIABILITY SPECIFICATIONS:
STORAGE TEMPERATURE:
HUMIDITY:
CURRENT OVERLOAD TEST:
TEST SPECIFICATIONS:
INDUCTANCE:
CAPACITANCE, MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C
LINE TO GROUND:
LINE TO LINE:
DISCHARGE RESISTOR
LINE/GROUND AND LINE/LINE
INSULATION RESISTANCE

1.86 mH NOMINAL
.003μF ±20%
.81μF ±20%
330KΩ
5000 MΩ (MIN) AT 100 VDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:
LINES TO GROUND:
LINE TO LINE:
FILTER APPROVAL:
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING
TO TEST THE UNIT IN YOUR EQUIPMENT.

2250 VDC FOR 1 MINUTE
1450 VDC FOR 1 MINUTE

APPROVED BY/DATE: C. Webster 5-26-72

REV: 1

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Top View Dimensions:
Overall Width: 2.375 ± .015
Overall Height: 1.00
Mounting Hole Diameter: 0.188 ± .01 DIA TYP (2)
Internal Feature: 1.16 MAX

Side View Dimensions:
Overall Depth: 3.35 MAX
Mounting Flange Thickness: 0.645 MAX

Front View Dimensions:
Overall Width: 2.81 MAX
Mounting Hole Diameter: 0.250 FASTON .069 ± 0.003 HOLE (5)
Mounting Slot: 0.069 X 0.155 SLOT

Circuit Diagram:
LINE — [Filter] — LOAD

50Ω - 50Ω MINIMUM INSERTION LOSS									
FREQUENCY MHz	.15	.5	1	2	5	10	20	30	
COMMON dB	18	32	40	45	45	45	52	40	
DIFF. dB	20	50	65	60	53	48	48		

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TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES
ENGLISH: ±.025 ±.1°
METRIC: # —

MATERIAL: AS SUPPLIED

FINISH: AS SUPPLIED

corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SOLE NTS 11-5-90
DATE 11-5-90
REV. 1
ORL. BY CFW
CFW

DRG. NO. 1EDK1.01