

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:

2 AMP., 120/250 VAC
2 AMP./40°C, 250 VAC
50-60Hz
30°C

LINE FREQUENCY:

MAX. CASE RISE θ RATED CURRENT:
MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND

.5 mA at 120V 60 Hz
1.0 mA at 250V 50 Hz

OPERATING AMBIENT TEMP. RANGE:

-10°C TO +40°C θ RATED CURRENT, I_r

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0 , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85-T_a}{45}}$$

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:

.539 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: .203 μ F \pm 20%

DISCHARGE RESISTOR 1.5M 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 μ - 50 μ (MINIMUM) INSERTION LOSS									
FREQUENCY MHz	15	20	25	30	35	40	45	50	55
COMMON dB	11	25	33	40	50	53	55	55	55
DIFF. dB	6	6	40	58	60	60	47	50	

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TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES \pm 1°
ENGLISH: \pm .025
METRIC: \pm

MATERIAL:

AS SUPPLIED

FINISH:

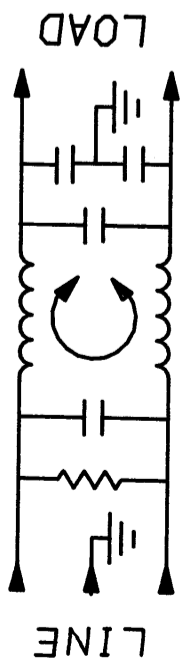
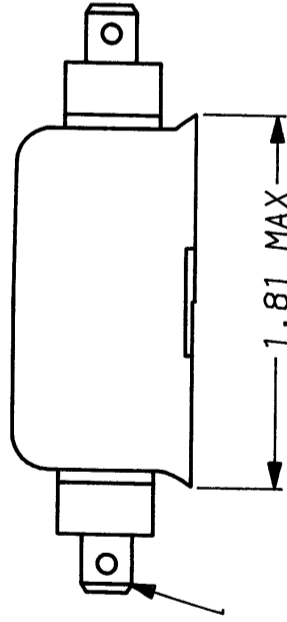
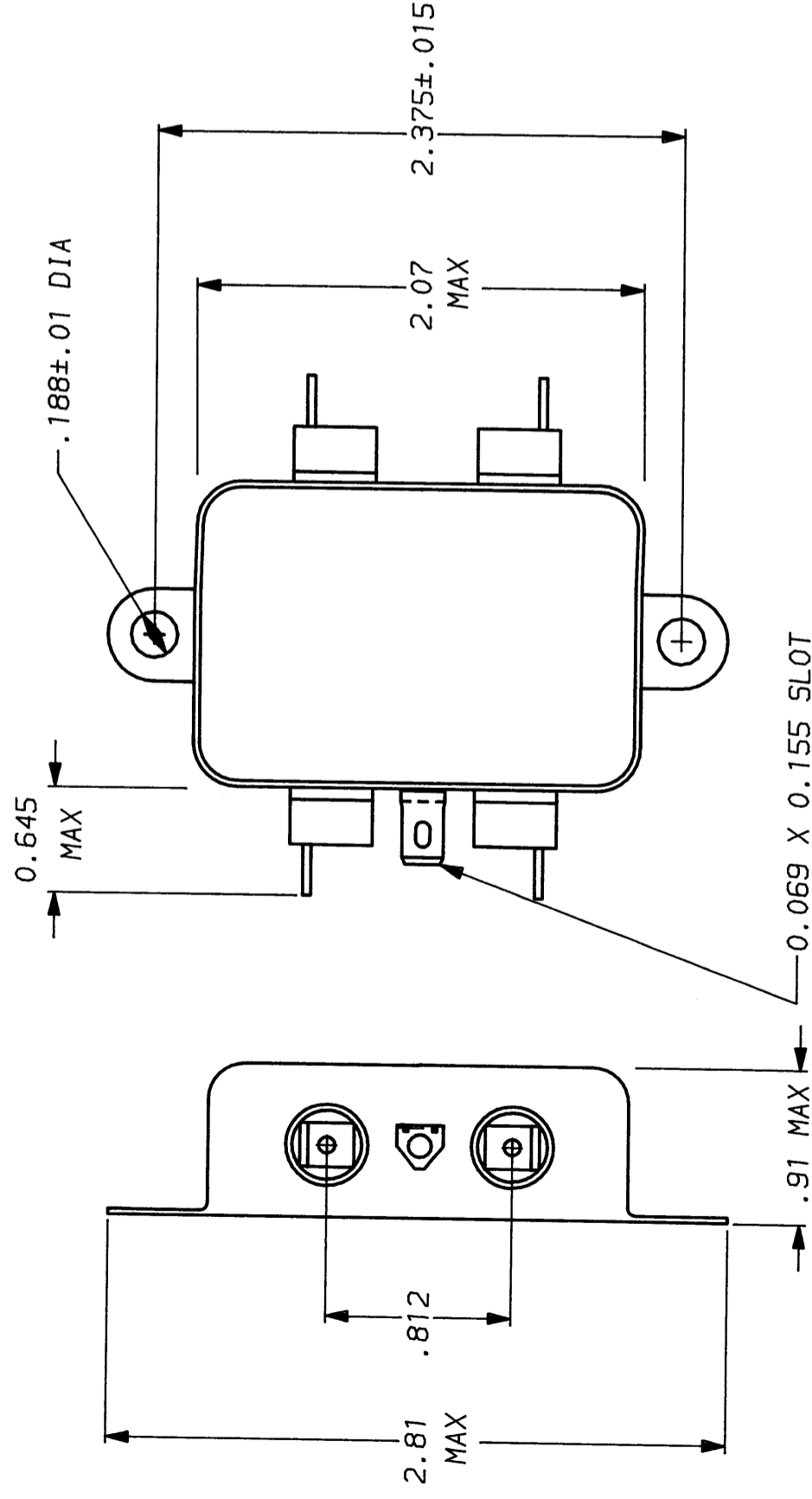
AS SUPPLIED



CORCOM
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	7-31-90	2VK1	05
DRW. BY	ORIGINATOR		
CFW	CFW		



Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[2VK1](#)