

5ER1

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, 5 AMP, 120/250 VAC
5 AMP./40°C, 250 VAC
LINE FREQUENCY, 50-60Hz

MAX. LEAKAGE CURRENT, EACH, .25 mA AT 120V 60Hz
LINE TO GROUND, .40 mA at 250V 50Hz

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, 1.032 mH NOMINAL
CAPACITANCE, (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)
LINE TO GROUND, .006 µF ±20%
LINE TO LINE, .301 µF ±20%
DISCHARGE RESISTOR, 680KΩ

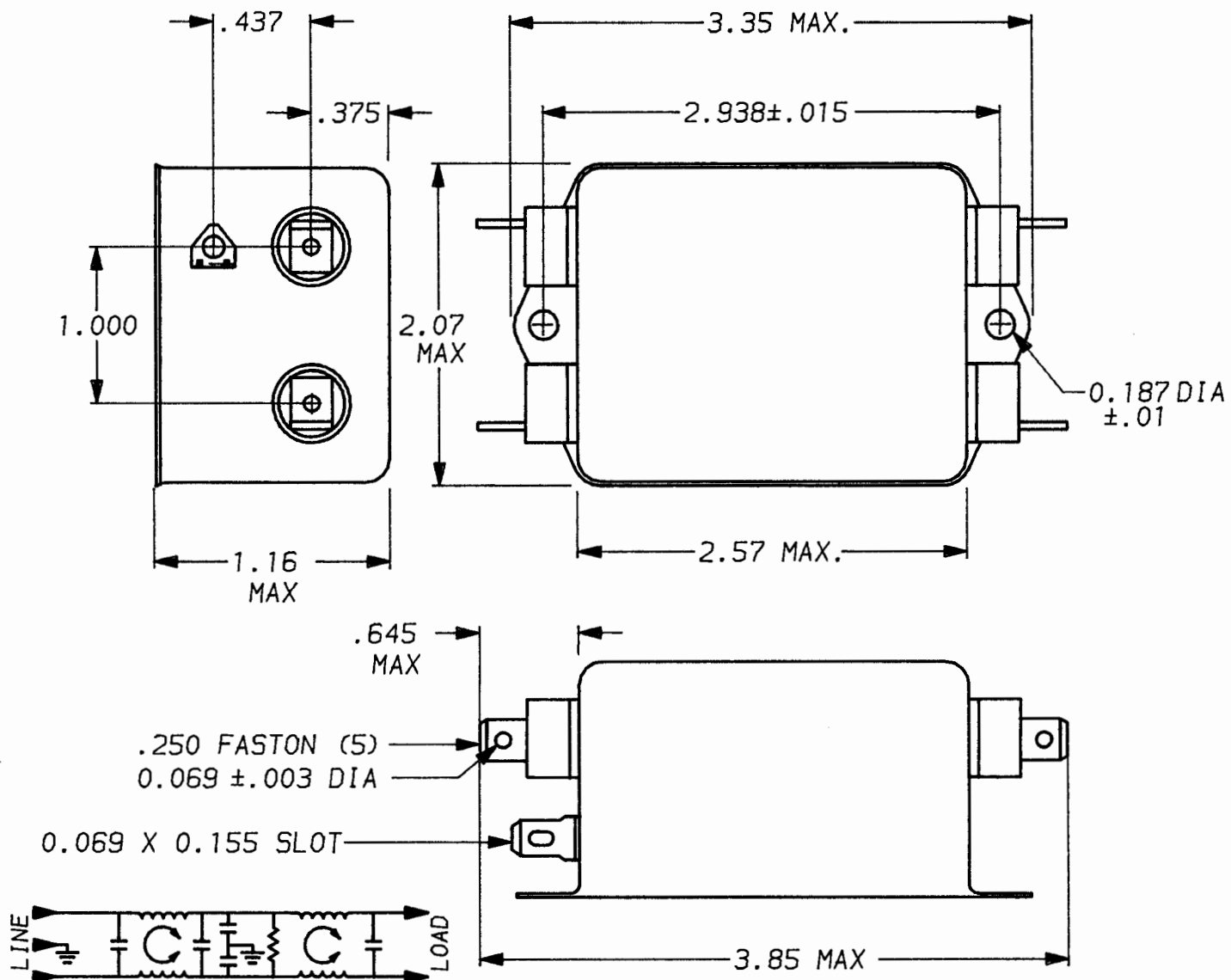
LINE/GROUND AND LINE/LINE, 6000MΩ (MIN) AT 100VDC
INSULATION RESISTANCE, 20°C AND 50% RH

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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.3	.5	1	2	5	10	20	30	/	/	/
COMMON dB	3	24	41	57	65	65	65	65	65	/	/	/
DIFF. dB	3	3	10	60	65	65	65	55	50	/	/	/

UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025

MATERIAL & FINISH: AS SUPPLIED

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corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 9-27-93 CATALOG NO.

APPROV. *TAM*

5ER1

CAD NO.

5ER1.05

Mouser Electronics

Authorized Distributor

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