

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

MAX. LEAKAGE CURRENT, EACH: .25 mA at 120V 60Hz
LINE TO GROUND: .42 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: 32.2 mH NOMINAL
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)
LINE TO GROUND: .006 μ F ±20%
LINE TO LINE: 1.01 μ F ±20%
DISCHARGE RESISTOR: 270K Ω

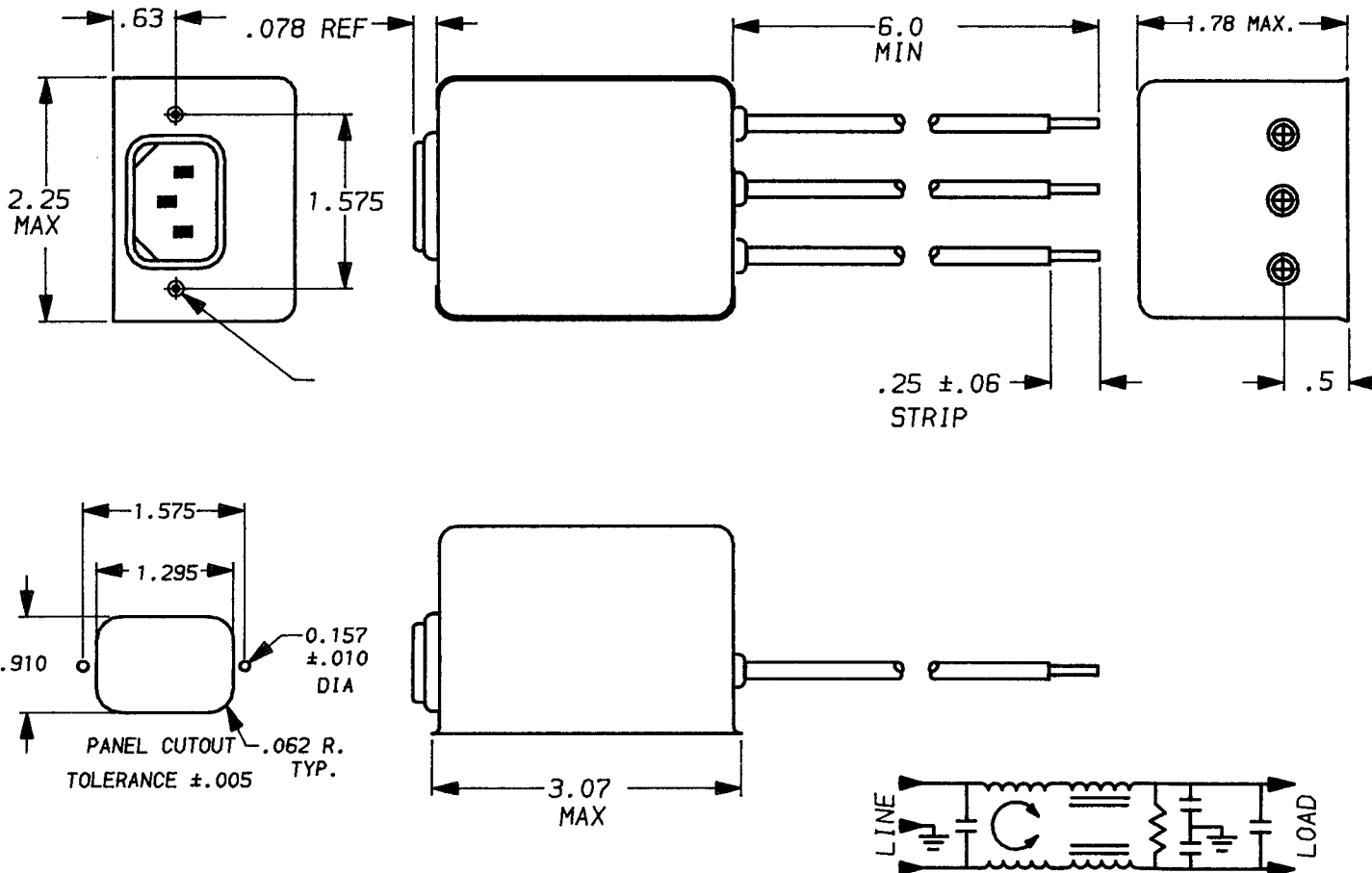
LINE/GROUND AND LINE/LINE: 6000M Ω (MIN) AT 100VDC
INSULATION RESISTANCE: 20°C AND 50% RH

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.

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.015	.02	.05	.15	.5	1	2	5	10	20	30
COMMON dB	22	25	28	36	47	47	43	45	45	45	45	45
DIFF. dB	1	2	18	43	68	75	72	65	65	62	60	60

UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025

MATERIAL & FINISH: AS SUPPLIED

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corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 9-30-93 CATALOG NO.
APPROV. *THM* 3EQ8 & 3VQ8M
CAD NO. 3EQ8.06

Mouser Electronics

Authorized Distributor

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[3VQ8M](#)