

3EHQ8 & 3EHQ8M

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 APPROVAL PENDING

UL 544
CSA 22.2, NO.0,0.4,8
VDE 565-3

OPERATING SPECIFICATIONS:

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

MAX. LEAKAGE CURRENT, EACH, 2 µA at 120V 60Hz
LINE TO GROUND, 5 µA 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, 32.18 mH NOMINAL
CAPACITANCE, (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)

LINE TO LINE, .94 µF ±20%
DISCHARGE RESISTOR, 270KΩ

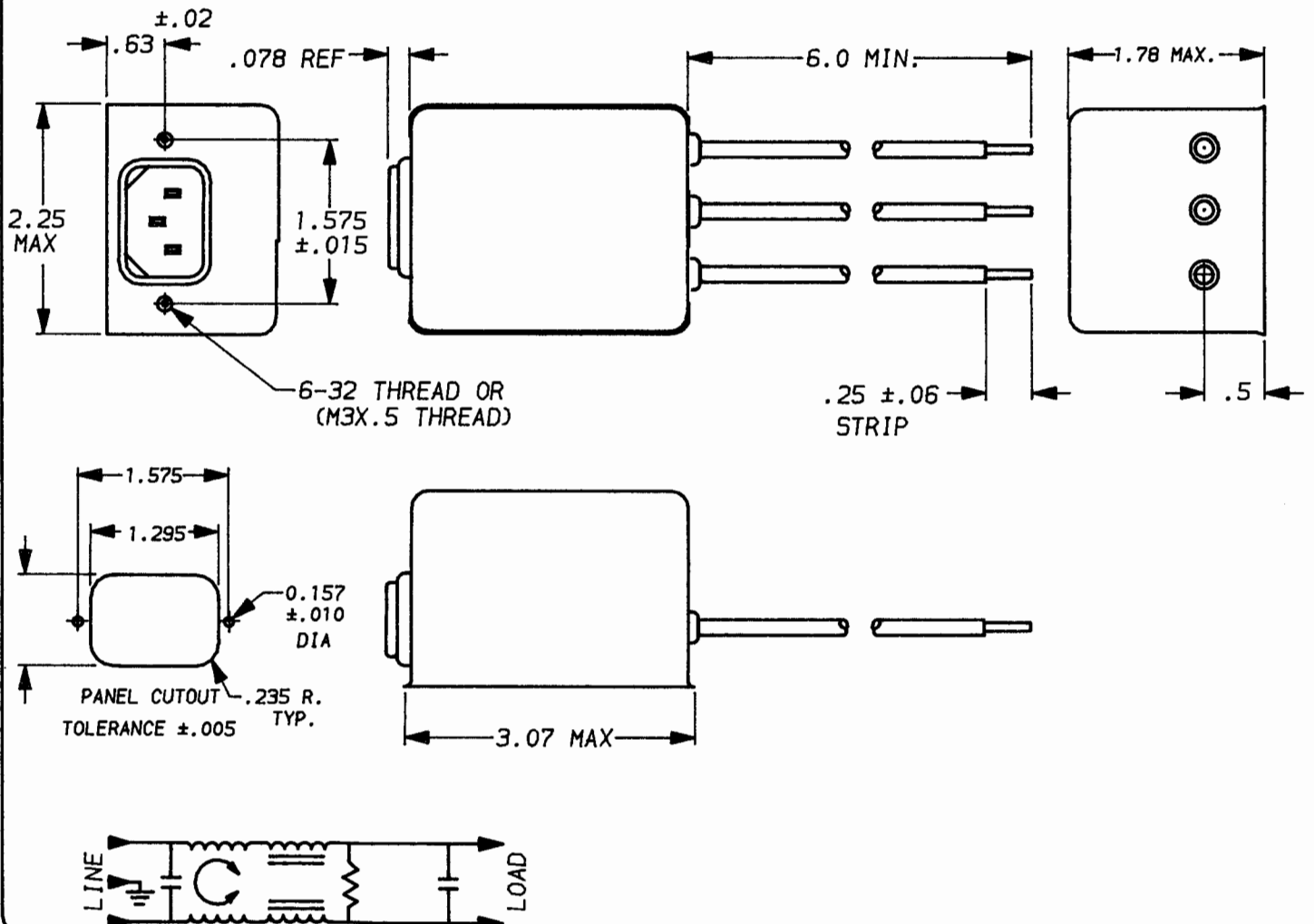
LINE/GROUND AND LINE/LINE, 6000MΩ (MIN) AT 100VDC
INSULATION RESISTANCE, 20°C AND 50% RH

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 | .01 | .015 | .02 | .05 | .15 | .5 | 1 | 2 | 5 | 10 | 20 | 30 |
|---------------|-----|------|-----|-----|-----|----|----|----|----|----|----|----|
| COMMON dB | 19 | 22 | 24 | 32 | 44 | 44 | 40 | 38 | 28 | 22 | 13 | 10 |
| DIFF. dB | 1 | 2 | 18 | 43 | 68 | 75 | 75 | 72 | 70 | 65 | 62 | 60 |

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025

MATERIAL & FINISH, AS SUPPLIED

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POWER LINE FILTER

DATE: 10-4-93 CATALOG NO.
APPROV. T.A.M. 3EHQ8 & 3EHQ8M
CAD NO. 3EHQ8.01