

3EQ8 - 3EQ8M

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 | UL 1283 |
| CSA CERTIFIED | CSA 22.2, NO.0,0.4,8 |
| VDE APPROVED | VDE 565-3 |
| SEV APPROVED | 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:
LINE TO GROUND: .25 mA at 120V 60Hz
.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 μF ±20%
LINE TO LINE: 1.01 μF ±20%
DISCHARGE RESISTOR: 270KΩ

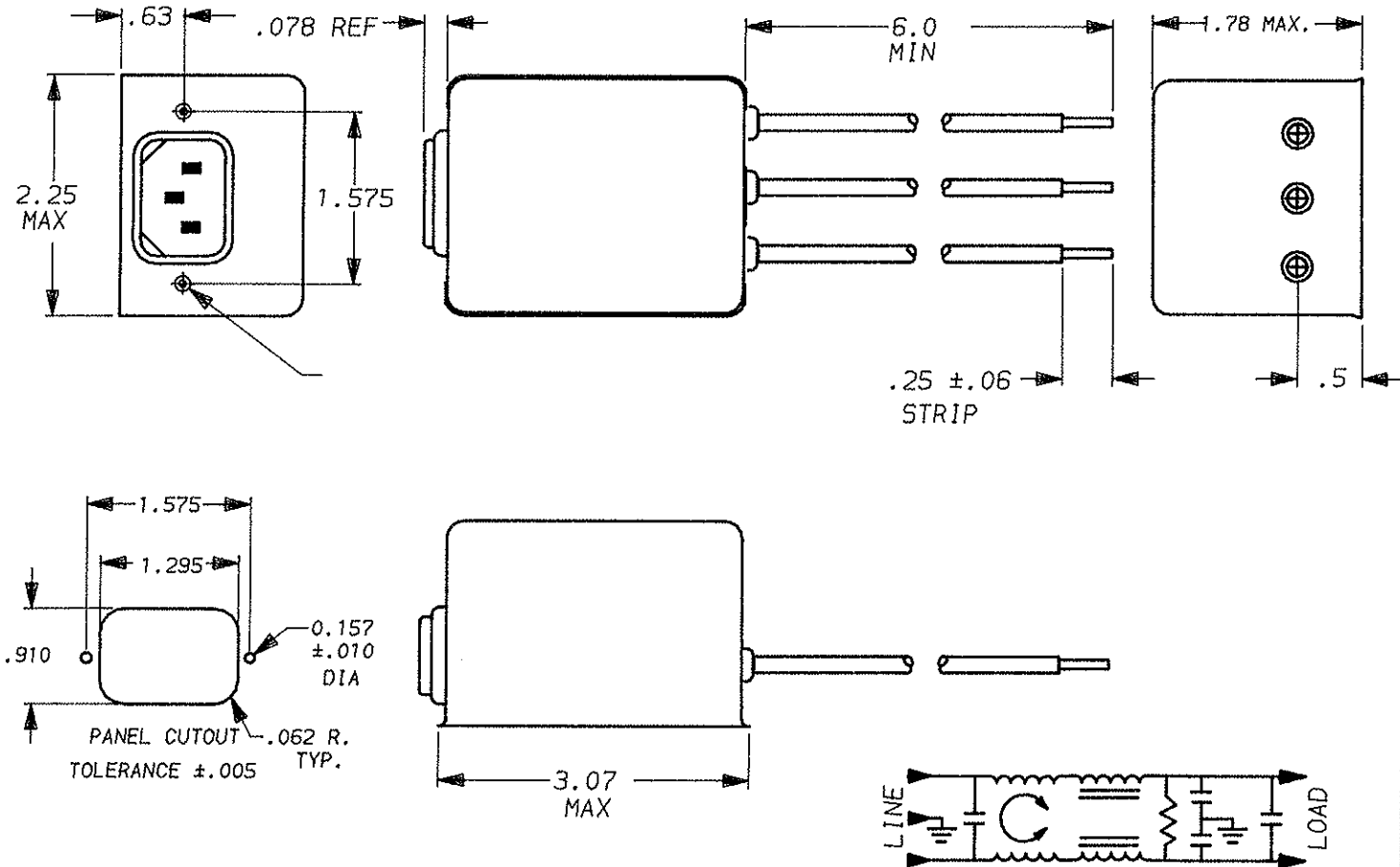
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC
INSULATION RESISTANCE: 20°C AND 50% RH


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 | | | | | | | | | | | | UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED | |  LIBERTYVILLE, IL 60048 POWER LINE FILTER | |
|------------------------------------|-----|------|-----|-----|-----|----|----|----|----|----|----|--|--|--|-----------------|
| FREQUENCY MHz | .01 | .015 | .02 | .05 | .15 | .5 | 1 | 2 | 5 | 10 | 20 | | | | |
| COMMON dB | 22 | 25 | 28 | 36 | 47 | 47 | 43 | 45 | 45 | 45 | 45 | 45 | This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent. | 3EQ8 - 3EQ8M | |
| DIFF. dB | 1 | 2 | 18 | 43 | 68 | 75 | 75 | 72 | 65 | 65 | 62 | 60 | | APPRVD. <i>TAM</i> | CAD NO. 3EQ8.06 |

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