

SAFETY ORGANIZATIONS

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 ULI283
 CSA CERTIFIED CSA 22.2, NO. 0,0.4,8
 VDE APPROVED VDE 565-3

LINE VOLTAGE/CURRENT: 6 AMP, 120/250 VAC
 5 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

OPERATING SPECIFICATIONS

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: 0.30 mA @ 120V 60Hz
 0.50 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r

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

$$I_o = I_r \sqrt{\frac{85 - T_o}{45}}$$

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: 18.5mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.008 µF ±20%
 LINE TO LINE: 0.94 µF ±20%
 DISCHARGE RESISTOR: 330KΩ
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
 20°C AND 50% RH

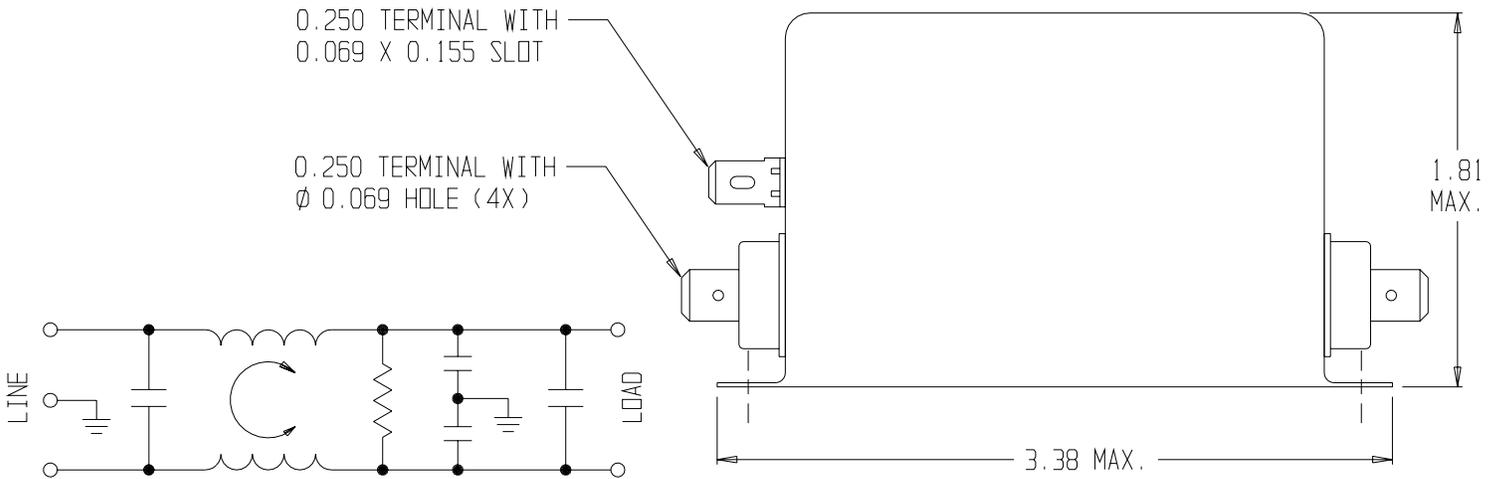
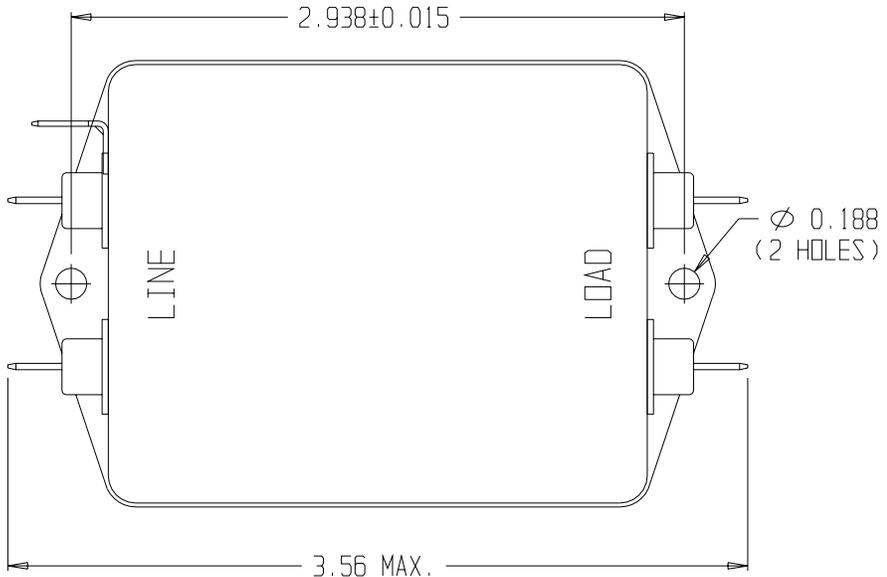
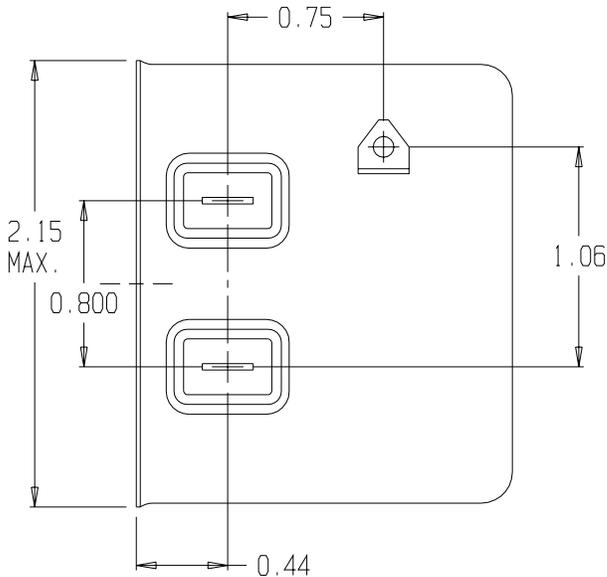
RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE 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.

| CATALOG # 6ET1 | | |
|----------------|---------|------|
| ECN # | APPRVD. | DATE |
| / | | |



| 50Ω - 50Ω (MINIMUM) INSERTION LOSS | | | | | | | | | | | | |
|------------------------------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|
| FREQUENCY MHz | .01 | .02 | .05 | .15 | .5 | 1 | 2 | 5 | 8 | 10 | 20 | 30 |
| COMMON dB | 16 | 26 | 30 | 41 | 47 | 44 | 43 | 43 | 40 | 40 | 42 | 42 |
| DIFF. dB | 4 | 2 | 14 | 51 | 70 | 70 | 70 | 65 | 50 | 47 | 50 | 55 |

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED,
 TOLERANCE TO BE ±.025
 MATERIAL & FINISH: AS SUPPLIED

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.

844 E. ROCKLAND RD. LIBERTYVILLE IL 60048

POWER LINE FILTER

| | | | |
|---------------------------|--------------|-------------|------|
| CAD FILE: C:\CK\CD\6ET106 | DATE: 9/9/02 | CATALOG NO. | REV. |
| SCALE: NTS | DRW. BY: JF | 6ET1 | 6 |