

## 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: UL 1283  
CSA CERTIFIED: CSA 22.2, # 8  
VDE APPROVED: EN 133200

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3 AMP/40°C 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.21mA @ 120V, 60Hz  
0.37mA @ 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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

## RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
HUMIDITY: 21 DAYS @ 40°C 95% RH.  
CURRENT OVERLOAD TEST: 6 TIMES  $I_r$  FOR 8 SECONDS

## TEST SPECIFICATIONS:

INDUCTANCE: 1.0mH NOMINAL  
CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0049µF ±20%  
LINE TO LINE: 0.0104µF ±20%  
DISCHARGE RESISTOR: 1.5MΩ  
L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

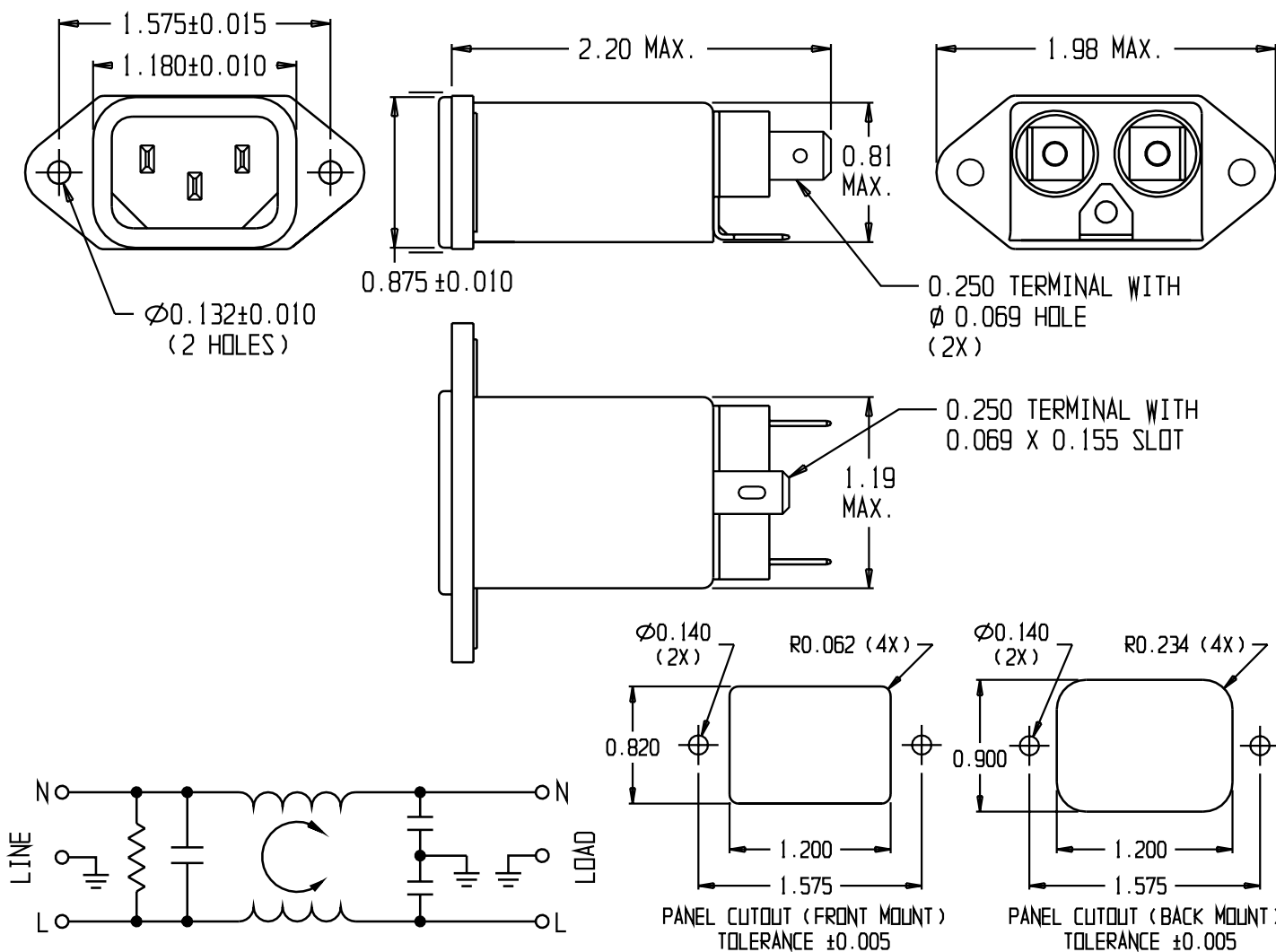
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
LINE TO LINE: 1450VDC FOR 1 MINUTE

## FILTER APPROVAL:

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 3EF1F

| ECO # | APPRVD. | DATE    |
|-------|---------|---------|
|       | KAW     | 13FEB06 |



## 50Ω- 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | 0.150 | 0.50 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 |  |  |  |
|------------------|-------|------|-----|-----|-----|----|----|----|--|--|--|
| COMMON<br>dB     | 15    | 25   | 30  | 36  | 45  | 50 | 52 | 54 |  |  |  |
| DIFF.<br>dB      |       |      |     |     |     |    |    |    |  |  |  |

THIRD ANGLE  
PROJECTION



UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE  $\pm 0.025$   
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.

**tyco**/Electronics **corcom**  
620 S. BUTTERFIELD ROAD MUNDLEIGH IL 60060

## CUSTOMER DRAWING 3EF1F

TYCO: 0-6609015-3

| SCALE:     | DATE:   | CATALOG NO. | REV. |
|------------|---------|-------------|------|
| NTS        | 12SEP89 | 3EF1F       | K    |
| DRY BY: JF | DRG: CW |             |      |