

## 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: 6 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.22mA @ 120V, 60Hz  
0.38mA @ 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: 0.93 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0053µF ±20%  
LINE TO LINE: 0.101µF ±20%  
DISCHARGE RESISTOR: 1.5MΩ  
L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

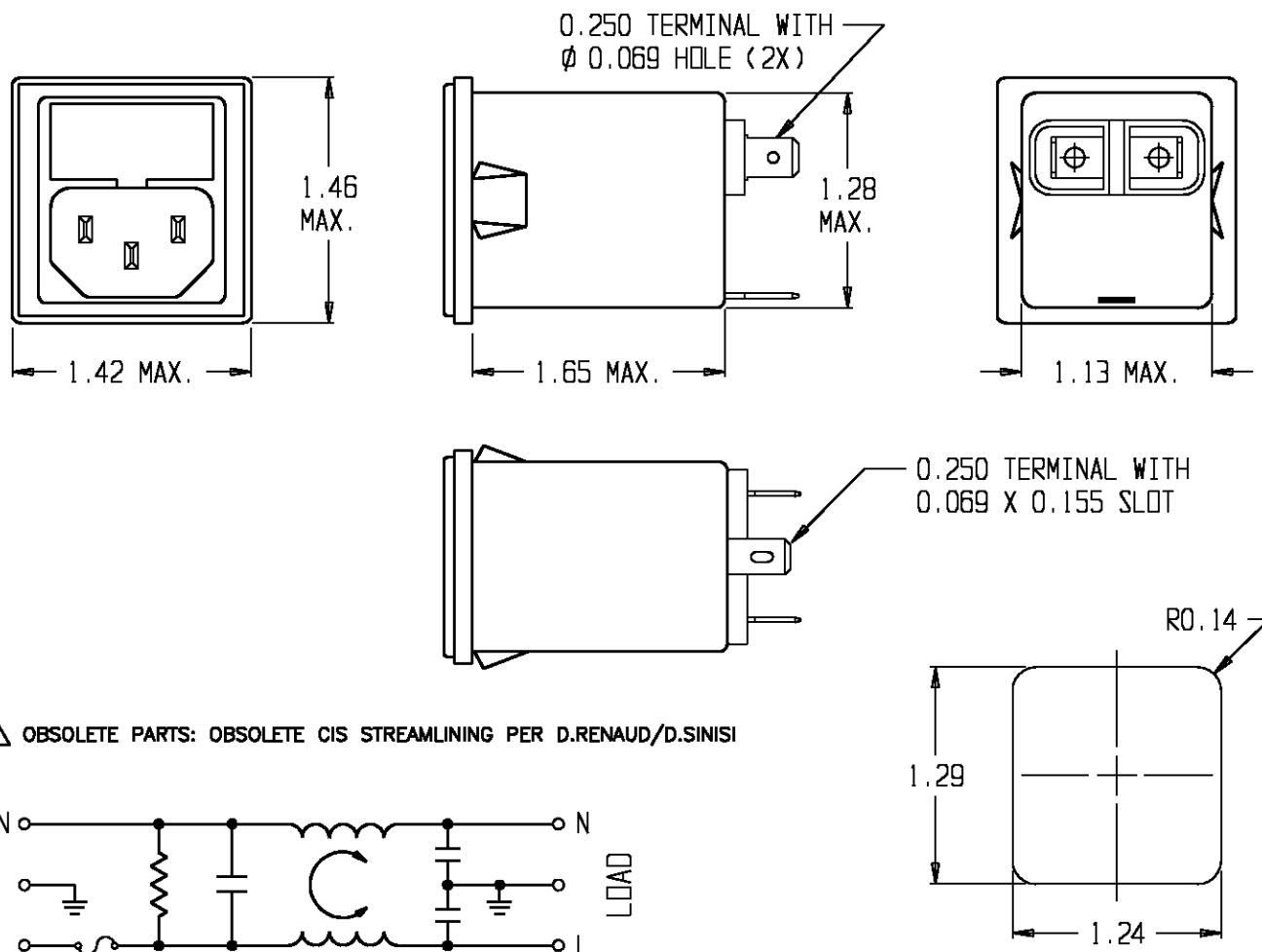
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
LINE TO LINE: 1450VDC FOR 1 MINUTE

## FILTER APPROVAL:

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

CATALOG # 6EGS1-1

| ECO #         | APPROV | DATE    |
|---------------|--------|---------|
|               | ELC    | 17JUL07 |
| ECO-09-026495 | AEG    | 18DEC09 |



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OBSOLETE

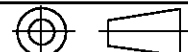
1

RECOMMENDED PANEL CUTOUT  
(FRONT MOUNTING)

## 50Ω- 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | 0.01 | 0.05 | 0.10 | 0.15 | 0.5 | 1.0 | 3.0 | 5.0 | 10 | 30 |
|------------------|------|------|------|------|-----|-----|-----|-----|----|----|
| COMMON<br>dB     | -    | 1    | 4    | 10   | 16  | 22  | -   | 36  | 40 | 50 |
| DIFF.<br>dB      | 1    | -    | -    | 2    | 10  | 13  | 23  | 33  | 39 | 42 |

THIRD ANGLE  
PROJECTION



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

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## CUSTOMER DRAWING 6EGS1-1

TYCO: 0-6609117-5

| SCALE:      | DATE:     | CATALOG NO. | REV. |
|-------------|-----------|-------------|------|
| NTS         | 14OCT03   | 6EGS1-1     | B2   |
| DRW. BY: JF | ORIG: KAW |             |      |