

CUSTOMER DRAWING

CATALOG # 10EGG1-1

| ECN # | APPRVD. | DATE |
|-----------|---------|---------|
| 08-010595 | ELC | 21NOV08 |

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 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 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_o, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

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

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:

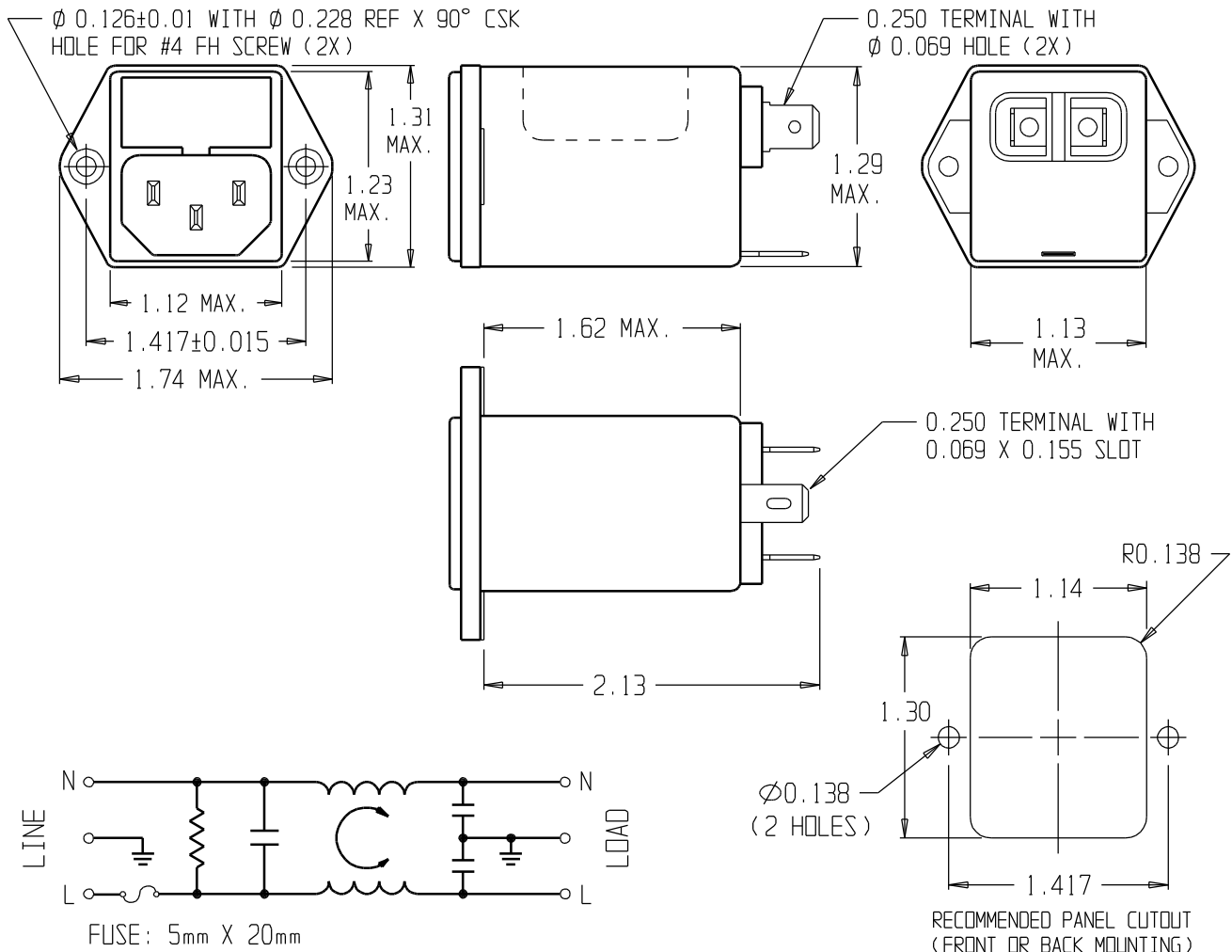
INDUCTANCE: 0.27mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0053µF ±20%
 LINE TO LINE: 0.101µF ±20%
 DISCHARGE RESISTOR: 1.5MΩ
 L/G AND L/L I.R.: NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.01 | 0.05 | 0.07 | 0.15 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 |
|---------------|------|------|------|------|-----|-----|-----|-----|----|----|----|
| COMMON dB | 0 | 1 | 2 | 4 | 6 | 8 | 16 | 26 | 33 | 48 | 28 |
| DIFF. dB | 1 | 2 | 4 | 7 | 17 | 23 | 24 | 22 | 43 | 40 | 38 |

THIRD ANGLE PROJECTION

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

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POWER LINE FILTER

TYCO ELECTRONICS PART NO. 3-1609115-4
 SCALE: NTS DATE: 12MAY08 CATALOG NO. 10EGG1-1 REV. 0
 DRW. BY: SD ORIG: ELC