

CATALOG # 1EGG1C-1

| ECO # | APPRVD. | DATE |
|-------|---------|---------|
| | KAW | 14NOV06 |

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: 1 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, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

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: 10.0mH NOMINAL
0.275mH NOMINAL (GND CHOKE)
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

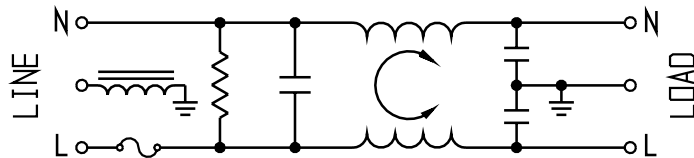
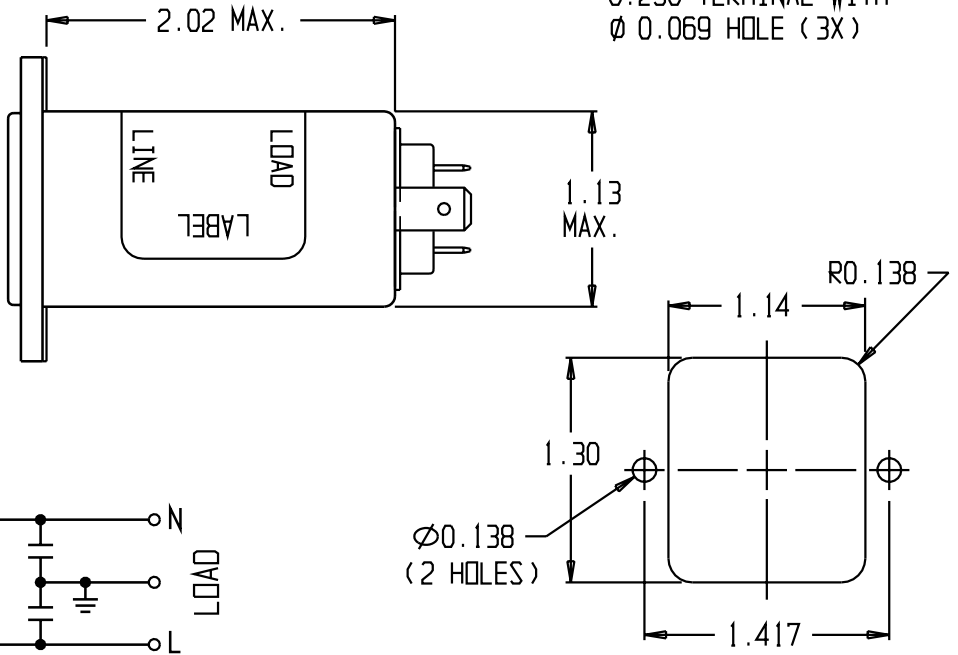
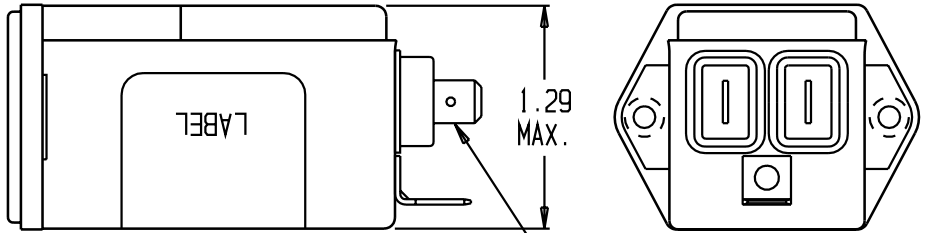
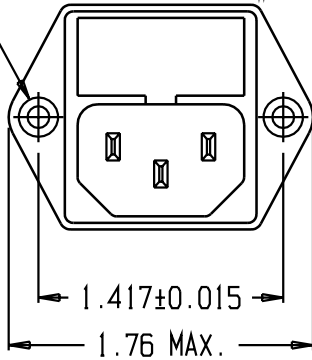
RECOMMENDED RECEIVING INSPECTION HIPOT:

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.

Ø 0.126±0.01 WITH Ø 0.228 REF X 90° CSK
HOLE FOR #4 FH SCREW



FUSE: 5mm X 20mm

RECOMMENDED PANEL CUTOUT (FRONT OR BACK MOUNTING)

50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.01 | 0.05 | 0.10 | 0.15 | 0.5 | 1.0 | 3.0 | 5.0 | 10 | 30 |
|---------------|------|------|------|------|-----|-----|-----|-----|----|----|
| COMMON dB | 12 | 23 | 29 | 32 | 41 | 47 | - | 50 | 50 | 55 |
| DIFF. dB | 1 | - | - | 3 | 14 | 23 | 41 | 47 | 50 | 44 |

THIRD ANGLE PROJECTION

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

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CUSTOMER DRAWING 1EGG1C-1

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|-------------------|------------|---------------|----------------------|--------|
| TYCO: 0-6609115-4 | SCALE: NTS | DATE: 30DEC03 | CATALOG NO. 1EGG1C-1 | REV. A |
| DRW. BY: JF | DRG: KAW | | | |