

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: EN133 200

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 1 AMP/40°C, 120/250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 2.0 μ A @ 120V 60Hz
5.0 μ A @ 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: 10.0 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C \pm 1°C)
LINE TO GROUND: N/A μ F \pm 20%
LINE TO LINE: 0.10 μ F \pm 20%
DISCHARGE RESISTOR: 1.5M Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

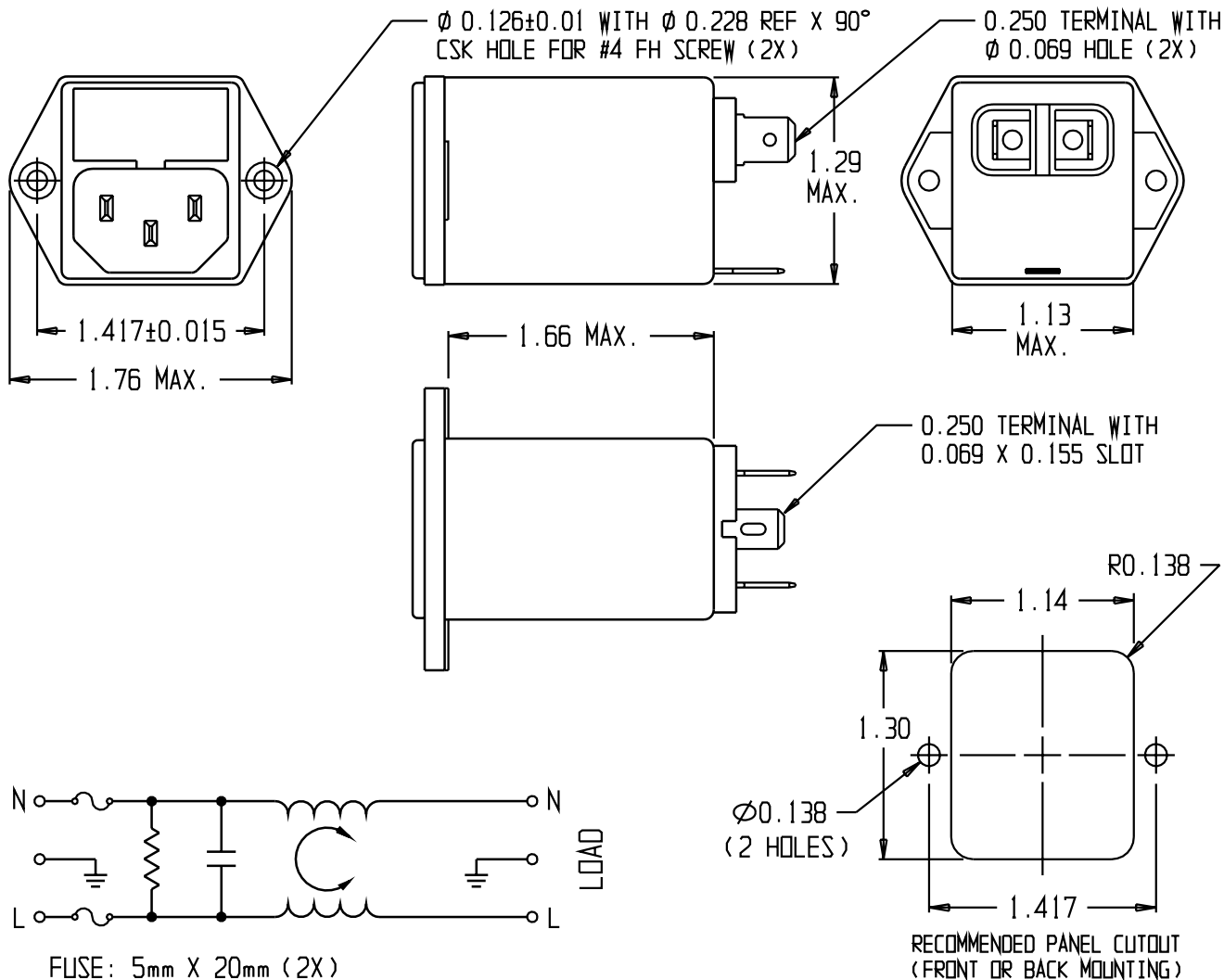
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG #1EHG1-2

| ECN # | APPRVD. | DATE |
|--------------|---------|---------|
| 0631-0447-03 | KAW | 25OCT03 |



50 Ω - 50 Ω (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 | 24 | 30 | 34 | 40 | 40 | - | 28 | 22 | 18 |
| DIFF. dB | 2 | - | - | 19 | 26 | 35 | 35 | 35 | 27 | 20 |

THIRD ANGLE
PROJECTION



UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE \pm 0.025
MATERIAL & FINISH: AS SUPPLIED

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CUSTOMER DRAWING 1EHG1-2

TYCO: 0-1609116-1

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|-------------|---------------|-------------|------|
| SCALE: NTS | DATE: 10OCT03 | CATALOG NO. | REV. |
| DRW. BY: JF | ORIG: KAW | 1EHG1-2 | B |

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