

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: 5 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND:
 0.21mA @ 120V, 60Hz
 0.36mA @ 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: 0.516mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0056µF ±20%
 LINE TO LINE: 0.201µF ±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:

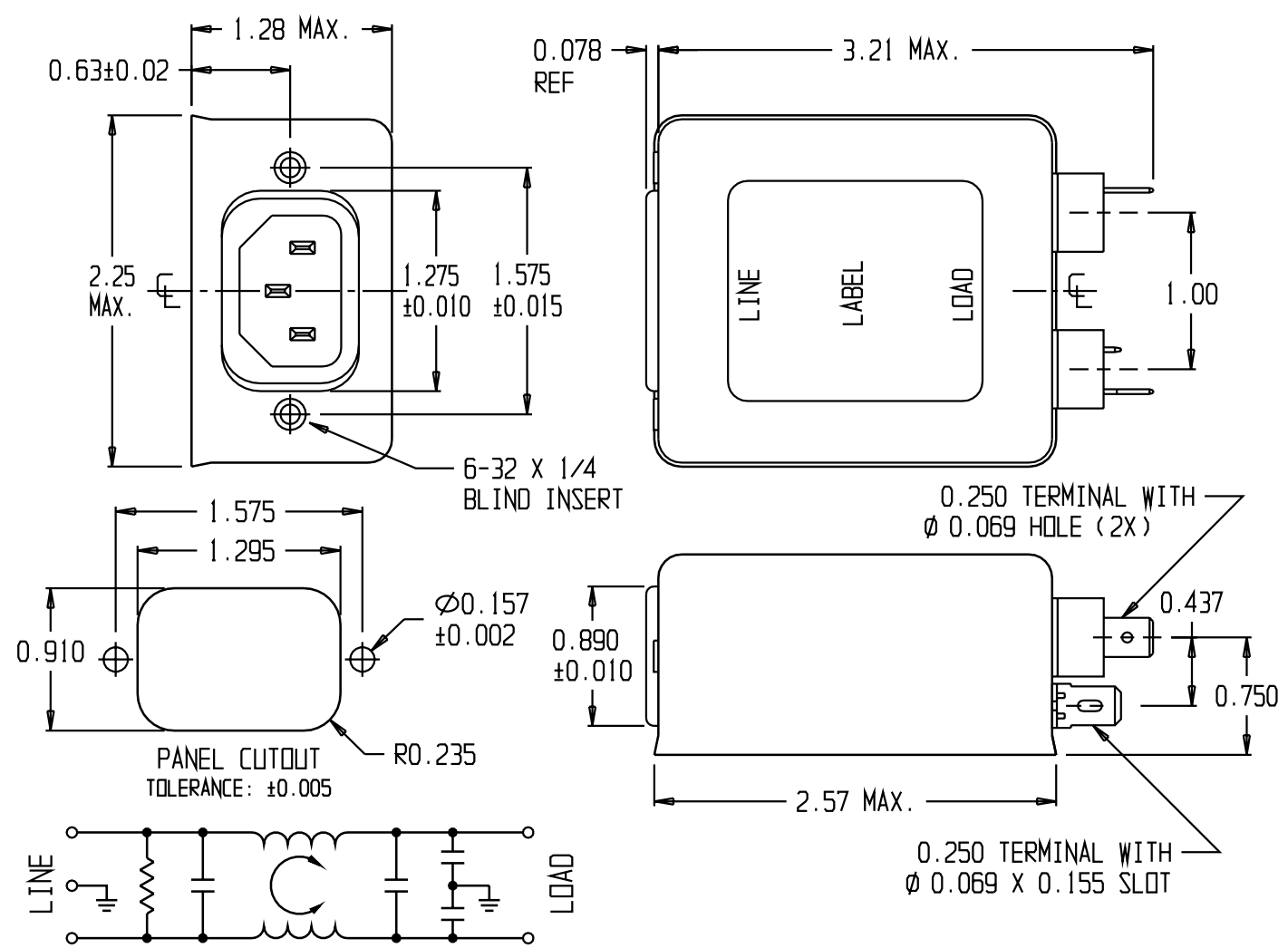
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 5EK7

| ECD # | APPRVD. | DATE |
|-------|---------|--------|
| | KAW | 6DEC06 |



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.15 | 0.4 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 | | |
|---------------|------|-----|-----|-----|-----|-----|----|----|----|--|--|
| COMMON dB | 10 | - | 21 | 26 | 33 | 39 | 42 | 45 | 47 | | |
| DIFF. dB | 3 | 3 | 17 | 40 | 60 | 65 | 65 | 50 | 41 | | |

THIRD ANGLE PROJECTION

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

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CUSTOMER DRAWING 5EK7

TYCO: 1-6609027-1
 SCALE: NTS DATE: 12SEP89 CATALOG NO. 5EK7 REV. B
 DRW. BY: JF ORIG: CW