

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: 20 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.73mA @ 120V, 60Hz
1.27mA @ 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: 0.84mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.02µF ±20%
LINE TO LINE: 4.405µF ±20%
DISCHARGE RESISTOR: 94K Ω
L/G AND L/L I.R.:
NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

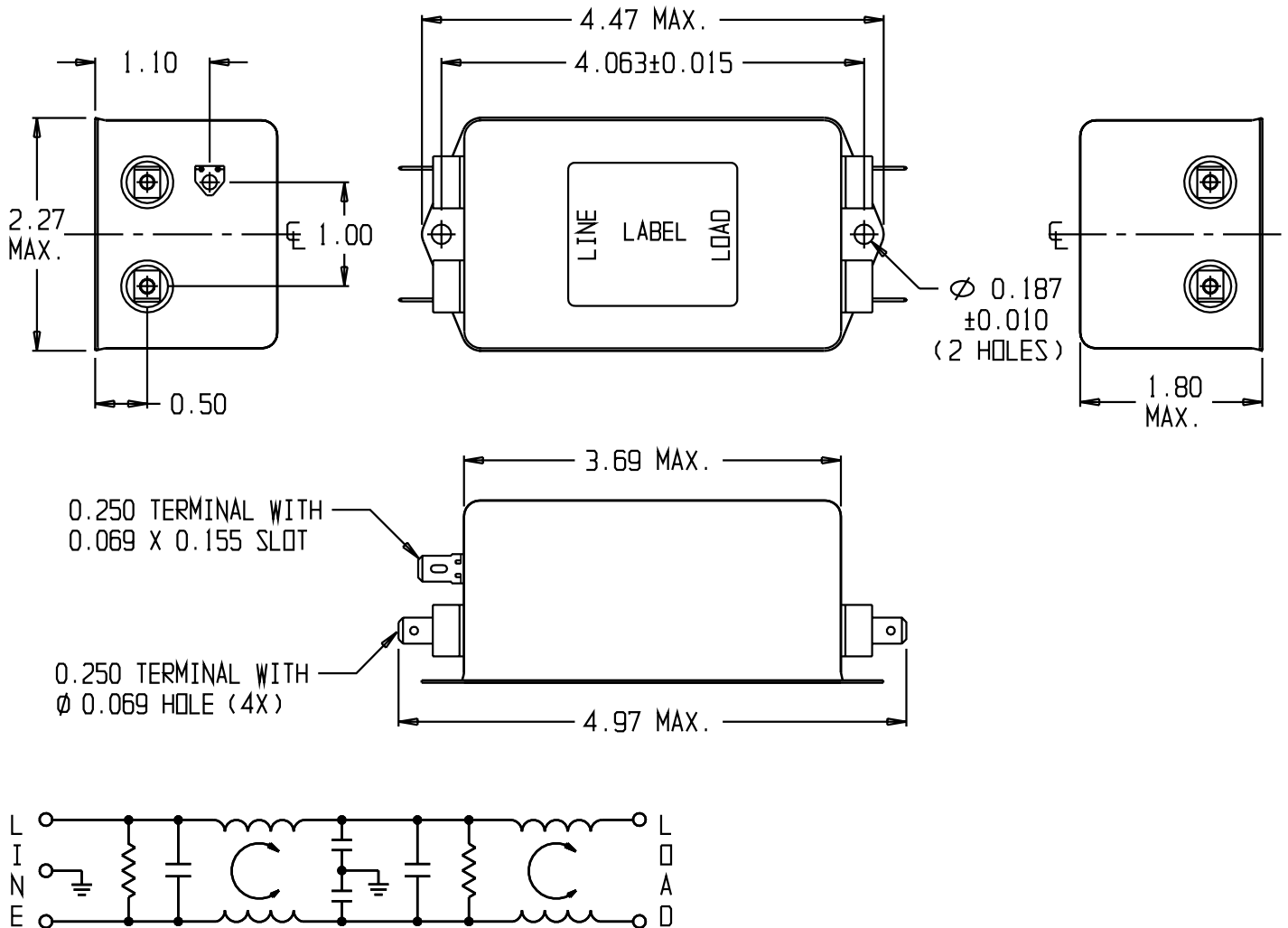
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 20EMC1

| ECC # | APPRVD. | DATE |
|-------|---------|--------|
| | KAW | 3DEC06 |



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | 0.01 | 0.05 | 0.07 | 0.11 | 0.15 | 1.0 | 2.0 | 10 | 20 | 30 |
|---------------|------|------|------|------|------|-----|-----|----|----|----|
| COMMON dB | 1 | 2 | 2 | 11 | 21 | 58 | 57 | 63 | 55 | 52 |
| DIFF. dB | 11 | 17 | 19 | 15 | 37 | 67 | 62 | 36 | 32 | 30 |

THIRD ANGLE PROJECTION



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

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CUSTOMER DRAWING 20EMC1

| | | | |
|-------------------|--------------|-------------|------|
| TYCO: 1-6609037-5 | | | |
| SCALE: | DATE: 4DEC03 | CATALOG NO. | REV. |
| DRW. BY: JF | DRG: KAW | 20EMC1 | B |

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