

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: 30 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, 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: 0.88mH 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: 94KΩ
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH
 NO DISCHARGE RESISTOR:

RECOMMENDED RECEIVING INSPECTION HIPOT:

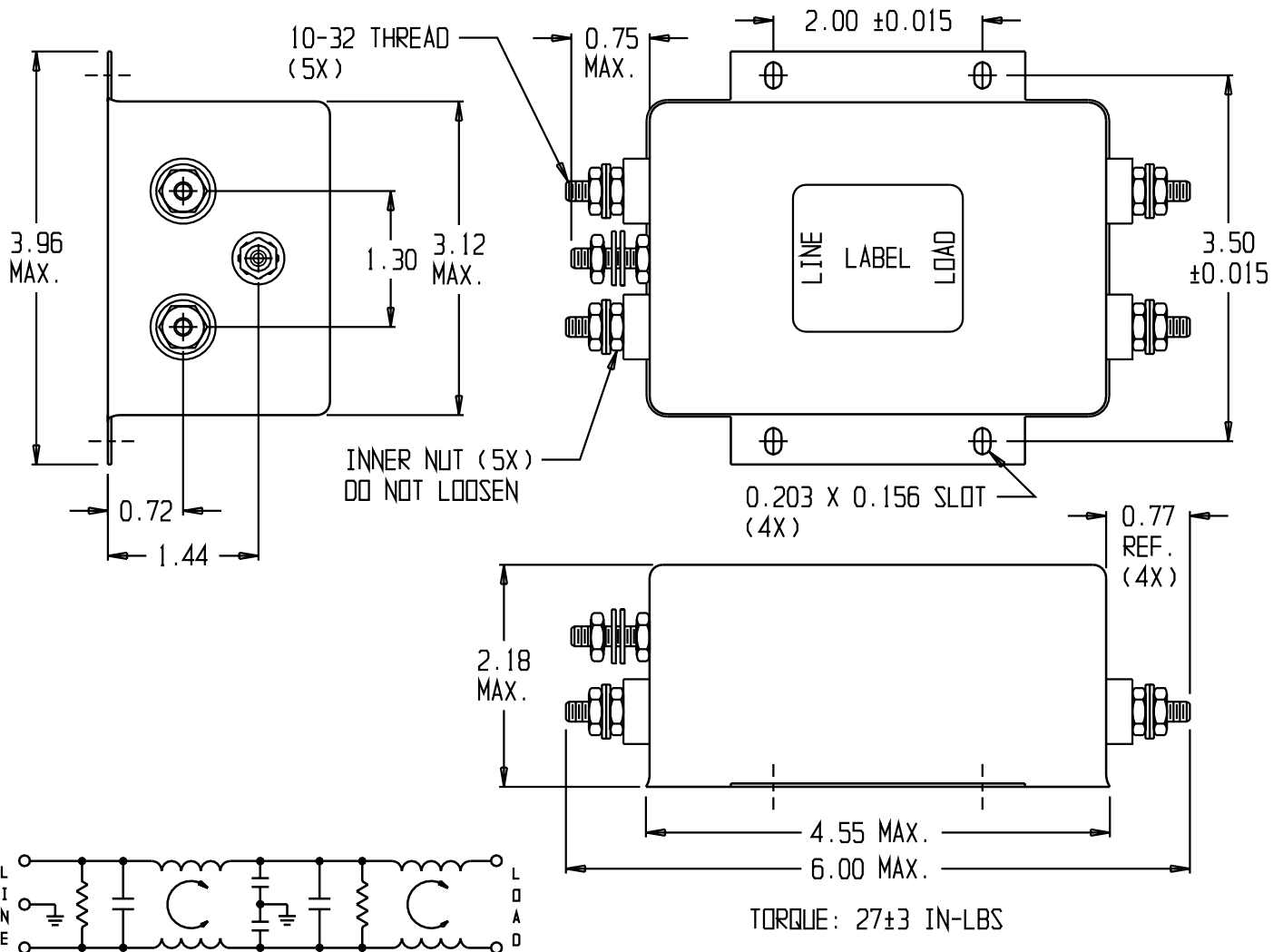
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 30EMC6

| ECCO # | APPRVD. | DATE |
|--------|---------|---------|
| | KAW | 30DEC06 |



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 | 14 | 22 | 47 | 52 | 60 | 48 | 43 |
| DIFF. dB | 11 | 17 | 18 | 14 | 40 | 62 | 53 | 30 | 28 | 26 |

THIRD ANGLE PROJECTION



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

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CUSTOMER DRAWING 30EMC6

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|-------------------|------------|---------------|--------------------|--------|
| TYCO: 1-6609037-6 | SCALE: NTS | DATE: 24NOV03 | CATALOG NO. 30EMC6 | REV. A |
| DRW. BY: JF | ORIG: KAW | | | |