

● FEATURES

- SMALL SMD PACKAGE
- LOW JITTER
- 3rd OVERTONE CRYSTAL DESIGN

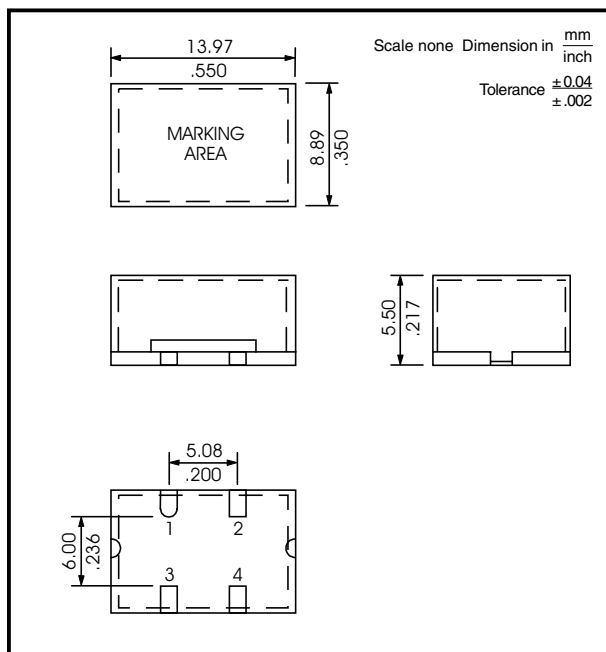
MODEL CE8450A

REVISION: A
DATE: 4/4/03

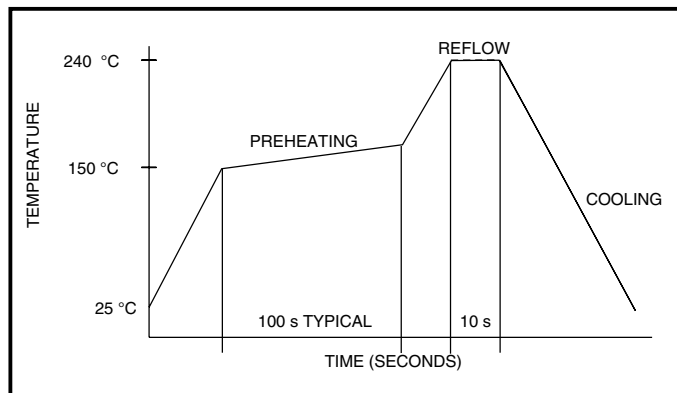
● SPECIFICATIONS

| PARAMETER | SYMBOL | CONDITIONS | VALUE | UNIT |
|---------------------------------|---------------------|--|-------------------------------|------|
| SUPPLY VOLTAGE, NOMINAL | Vcc | Vcc ±5% | 3.3 | V |
| SUPPLY CURRENT, MAX | Is | Vcc=3.3V, Ta=25°C, 15pF LOAD | 70.0 | mA |
| NOMINAL FREQUENCY | fo | - | 125.00, 133.00, 156.25 | MHz |
| OVERALL FREQUENCY STABILITY MAX | $\Delta f/f_c$ (Ta) | Ta=-40°C to +85°C, (REF. TO 25°C), Vcc=+3.3 VDC, 15pF LOAD | ±50.0 | PPM |
| HCMOS | VOH / VOL | LOAD=15pF; Vcc=3.3V | 2.97 / 0.3 | V |
| DUTY CYCLE | DC | LOAD, NOM. / 50% Vcc | 40 TO 60 | % |
| RISE & FALL TIME, MAX | tr / tf | 20% TO 80% Vout, 80% TO 20% Vout | 3 | ns |
| ENABLE OPTION | (pin 1) | PIN 1 = "HIGH" OR OPEN | OSCILLATING | - |
| DISABLE OPTION | (pin 1) | PIN 1 = "LOW" OR GROUND | TRI-STATE (OUTPUT PIN HIGH-Z) | - |
| JITTER | J | Fj > 1 KHz, 1 σ | 1 pS RMS | pS |
| STORAGE TEMPERATURE | T(store) | - | -55 TO +125 | °C |
| ABSOLUTE VOLTAGE RANGES | Vcc, Vc(abs) | NON-DESTRUCTIVE, DC | -0.5 TO +7.0 | V |

● OUTLINE DRAWING



● REFLOW SOLDERING PROFILE



● PACKAGING

53 PIECES PER PLASTIC TUBE

● PIN CONNECTION

| PIN | FUNCTION |
|-----|-------------|
| 1 | N.C. OR E/D |
| 2 | CASE/GND |
| 3 | OUTPUT |

● EXAMPLE:

CE8450A-D3-125.000-4-FR5