

● FEATURES

- LOW JITTER
- 3rd OVERTONE CRYSTAL DESIGN

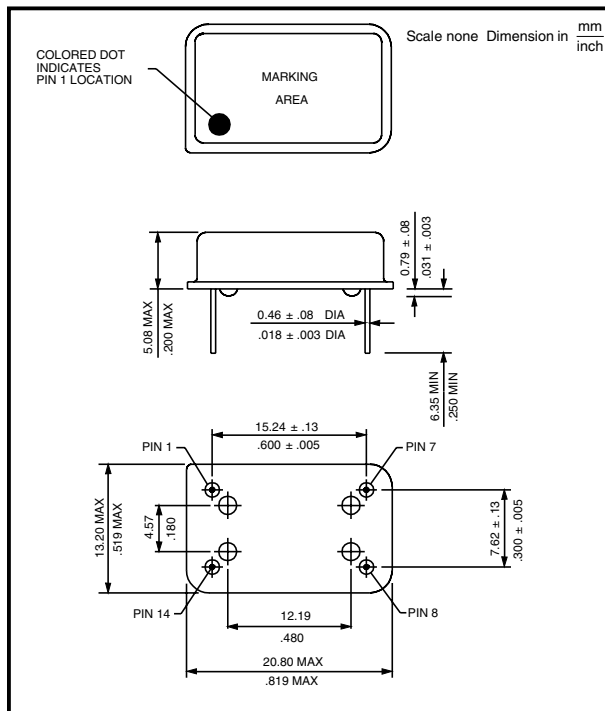
MODEL CE7450A

REVISION: B
DATE: 10/30/01

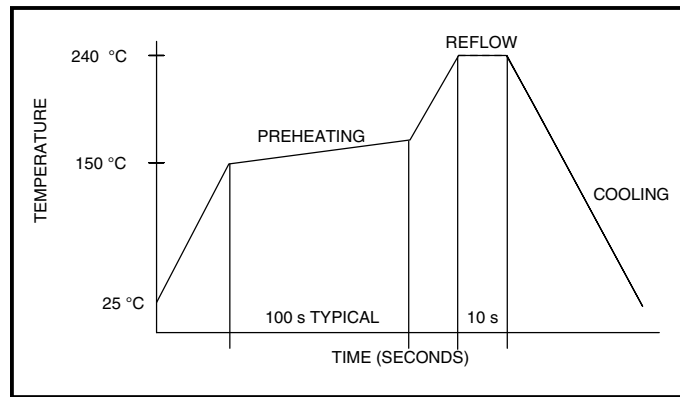
● SPECIFICATIONS

| PARAMETER | SYMBOL | CONDITIONS | VALUE | UNIT |
|---------------------------------|---------------------------------------|--|-------------------------------|------|
| SUPPLY VOLTAGE, NOMINAL | V _{cc} | V _{cc} ±5% | 3.3 | V |
| SUPPLY CURRENT, MAX | I _s | V _{cc} =3.3V, T _a =25°C, 15pF LOAD | 70.0 | mA |
| NOMINAL FREQUENCY | f _o | - | 125.00, 133.00, 150.25 | MHz |
| OVERALL FREQUENCY STABILITY MAX | Δf/fc (T _a) | T _a =-40°C to +85°C, (REF. TO 25°C), V _{cc} =+3.3 VDC, 15pF LOAD | ±50.0 | PPM |
| HCMOS | VOH / VOL | LOAD=15pF; V _{cc} =3.3V | 2.97 / 0.3 | V |
| DUTY CYCLE | DC | LOAD, NOM. / 50% V _{cc} | 40 TO 60 | % |
| RISE & FALL TIME, MAX | tr / tf | 20% TO 80% V _{out} , 80% TO 20% V _{out} | 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 | F _j > 1 KHz, 1σ | 1 pS RMS | pS |
| STORAGE TEMPERATURE | T _(store) | - | -55 TO +125 | °C |
| ABSOLUTE VOLTAGE RANGES | V _{cc} , V _{c(abs)} | NON-DESTRUCTIVE, DC | -0.5 TO +7.0 | V |

● OUTLINE DRAWING



● REFLOW SOLDERING PROFILE



● PACKAGING

25 PIECES PER PLASTIC TUBE

● ENABLE / DISABLE FUNCTION TABLE

| PIN | FUNCTION |
|-----|-----------------|
| 1 | E/D |
| 7 | CASE/GND |
| 8 | OUTPUT |
| 14 | V _{cc} |

● EXAMPLE:

CE7450A-D3-125.000