

### ● FEATURES

- LOW JITTER
- 3rd OVERTONE CRYSTAL DESIGN

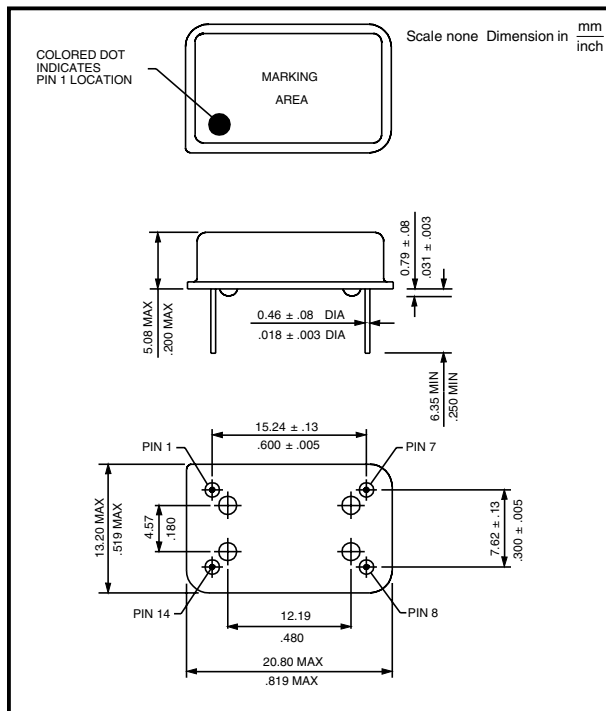
### MODEL CE7450A

REVISION: B  
DATE: 10/30/01

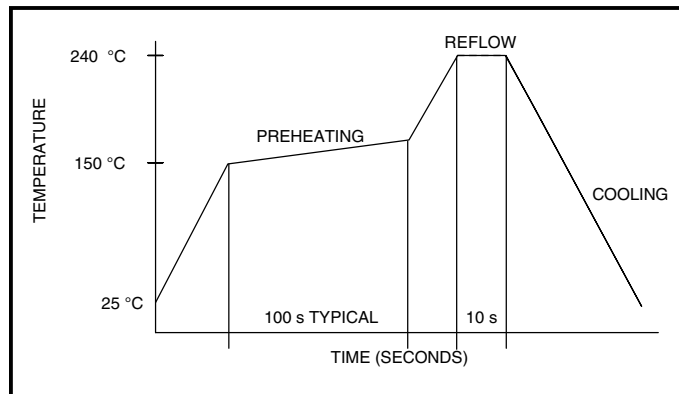
### ● SPECIFICATIONS

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

### ● EXAMPLE:

CE7450A-D3-125.000