



# CLOCK OSCILLATORS

## T7000 Series Clock Oscillator

### Ultra-Miniature, Low Profile, SMD



**Features:**

- ◆ Miniature Ultra Low Profile
- ◆ Compatible with pick and place
- ◆ Ceramic SMD package
- ◆ Tape and Reel Available

**Model: T7000 Series Specifications**

Parameter	Unit	T7000
Frequency Range (1)	MHz	1.50 to 50.00
Operating Temperature Range	°C	-10 to 70
Frequency Stability	ppm	±25, ±50 ppm
Supply Voltage	VDC	1.8, 2.5, 3.3
Supply Current	mA	See Table
WaveForm		CMOS
Load	pF	15
Output Levels	V	10% max. // 90% min.
Transition Times (Rise/Fall)	nSec	10 max.
Duty Cycle	%	40/60%
Aging (per year)	ppm	±5.0 max.
Storage Temperature	°C	-55 to 125
Tri-State		Pin 1
Enable	V	0.7 min.
Disable	V	0.3 max.

(1) Inclusive of calibration @ 25°C, operating temperature, Input voltage change, load change, shock, and vibration.

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	Supply Current		
	1.8V	2.5V	3.3V
< 24 MHz	2.5 mA max.	3.0 mA max.	2.5 mA Max.
< 40 MHz	3.5 mA max.	4.5 mA max.	3.5 mA max.
< 50 MHz	4.5 mA max.	5.0 mA max.	4.5 mA max.

