

# CLOCK OSCILLATORS

## T6000 Series Clock Oscillator

### Ultra-Miniature, Low Profile, SMD



T6000

RoHS Compliant Standard

#### Features:

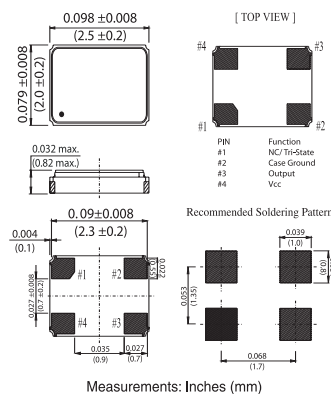
- ❖ Miniature Ultra Low Profile
- ❖ Compatible with pick and place
- ❖ Ceramic SMD package
- ❖ HCMOS/ TTL compatible
- ❖ Tape and Reel Available

#### Model: T6000 Series Specifications

Parameter	T6000
Center Frequency	1.0 MHz to 50 MHz
Operating Temperature Range	See Table
Frequency Stability <sup>(1)</sup>	See Table
Supply Voltage	1.5 to 3.3 V
Output Voltage	$V_{OH} = 10\% V_{CC} \text{ max.} // V_{OL} = 90\% V_{CC} \text{ min.}$
Load	15 pF max.
Supply Current	25 mA max.
Transition Times	
Rise/ Fall Time ( @ 10% - 90% V <sub>cc</sub> )	10 ms max.
Period Jitter (peak to peak)	100 ps max.
Period Jitter (One Sigma)	25 ps max.
Duty Cycle	40% / 60% (45% / 55% optional)

(1) Inclusive of calibration @ 25°C, operating temperature, Input voltage change, load change, shock, and vibration. Tighter stabilities available- contact Factory.

#### T6000 Package



Temperature	Stability (ppm)
0 to 50°C	±10, ±20, ±25, ±50, ±100
-10 to 60°C	±10, ±20, ±25, ±50, ±100
-20 to 70°C	±10, ±20, ±25, ±50, ±100
-40 to 85°C	±20, ±25, ±50, ±100

CLOCK OSCILLATOR: T6000 Series Ultra Miniature Clock

CLOCK OSCILLATOR: T6000 Series Ultra Miniature Clock

Tellurian® Technologies, Inc.

1801 Hicks Road • Rolling Meadows, IL 60008 • Tel 847-934-4141 • Fax 847-934-4175

• Email: info@telluriantech.com • www.telluriantech.com