

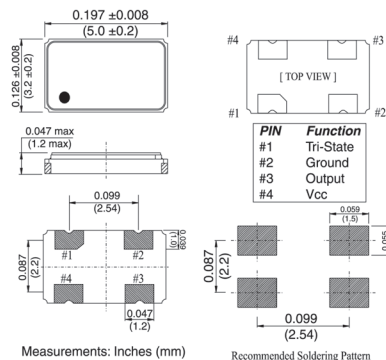
CLOCK OSCILLATORS**T4000 Series Clock Oscillator
Ultra-Miniature, Low Profile, SMD****T4000****RoHS Complaint Standard****Features:**

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

Model: T4000 Series Specifications

Parameter	Symbol	Unit	Min.	Max.
Center Frequency	f_o	MHz	1.5	125
Operating Temperature Range	T	°C	See Table	
Frequency Stability ⁽¹⁾		ppm	See Table	
Supply Voltage	V_{DD}	VDC	1.8, 2.5, 3.3, 5.0	
Supply Current	I_{DD}			
1.50MHz < 19.99MHz		mA	7	10
20.00MHz < 49.99MHz		mA	20	30
50.00MHz < 125.00MHz		mA	30	40
Transition Times	T_R/T_F			
Rise/ Fall Time (1.5MHz < 19.99MHz)		ns	8	10
Rise/ Fall Time (20.00MHz < 125.00MHz)		ns	2	6
Output Symmetry	SYM	%	45/55 or 40/ 60	
Storage Temperature		°C	-50 to 125	

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

T4000 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: T4000 Series Ultra Miniature Clock**CLOCK OSCILLATOR: T4000 Series Ultra Miniature Clock****Tellurian® Technologies, Inc.**

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