

CLOCK OSCILLATORS

T6000 Series Clock Oscillator

Ultra-Miniature, Low Profile, SMD



T6000

RoHS Compliant Standard

Features:

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

Model: T6000 Series Specifications

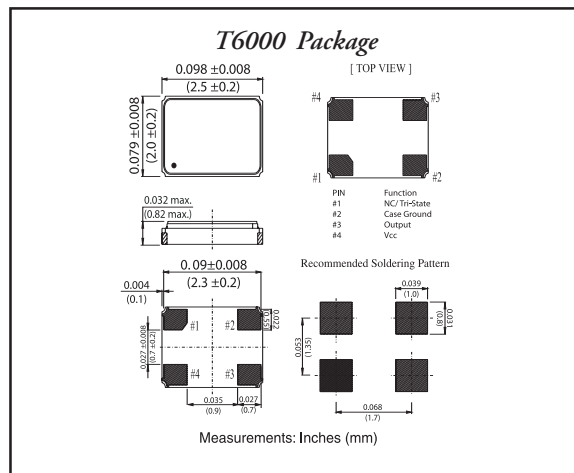
Parameter	T6000
Center Frequency	1.0 MHz to 50 MHz
Operating Temperature Range	See Table
Frequency Stability (1)	See Table
Supply Voltage	3.3 V
Output Voltage	$V_{OH} = 10\% V_{CC} \text{ max.}$ $V_{OL} = 90\% V_{CC} \text{ min.}$
Load	15 pF max.
Supply Current	25 mA max.
Transition Times	
Rise/ Fall Time (@ 10% - 90% Vcc)	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.

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Temperature	Stability (ppm)
0 to 50°C	±20, ±30, ±50, ±100
-10 to 60°C	±20, ±30, ±50, ±100
-20 to 70°C	±30, ±50, ±100
-40 to 85°C	±50, ±100



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