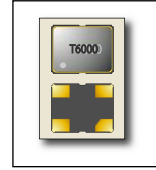


# T6000 Crystal Oscillator

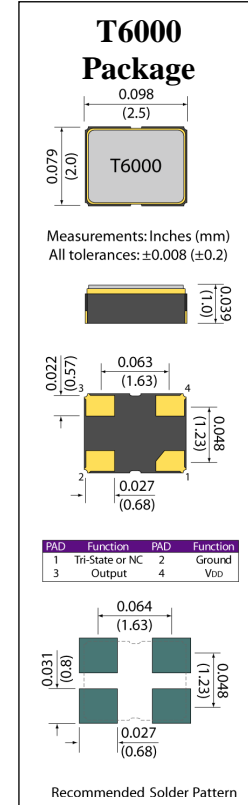


**FEATURES:**  
**High Frequency**  
**Ceramic Package**

**Tight Stability**  
**2.5 x 2.0 x 1.0 mm**

Parameter	Unit	Min.	Max.
Frequency Range	MHz	1.000	1100.000
Frequency Stability	ppm	See Table	
Storage Temperature Range	°C	-55	+125
Supply Voltage	V	1.8, 2.5, 3.3 ±5%	
Current Consumption	mA	-	15
Output Waveform		CMOS	
Output Load	pF	-	15
Output Voltage Logic High (VOH)	V	90% of V <sub>DD</sub>	
Output Voltage Logic Low (VOL)	V	- 10% of V <sub>DD</sub>	
Transition Time (Rise and Fall)	nSec	-	10
Duty Cycle		45/55% standard	
Tri-state	Enable	No Connection Pin 1	
	Enable	V	70% of V <sub>DD</sub>
	Disable	V	30% of V <sub>DD</sub>
Start-up Time	mSec	-	2
Standby Current	µA	-	15
Period Jitter: Integrated (12kHz to 20MHz)	pSec	-	1
Period Jitter: Absolute	pSec	-	40

Frequency Stability is inclusive of calibration at 25°C, operating temperature range, input voltage variation, load variation, shock, vibration, and aging.



### Frequency Stability

Temperature	Stability (ppm)
-10 to +60°C	±20, ±25, ±30, ±50
-20 to +70°C	±20, ±25, ±30, ±50
-40 to +85°C	±25, ±30, ±50

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### Environmental

Terminal Material	W
Terminal Plating	Ni-Au
REACH Compliant	Yes
RoHS Compliant	Yes
RoHS Exemptions	No
Re-flow Temp. Max.	260°C
MSL	1

**Example Part Number: T6000-18-A-27-24M576**

<b>T6000</b>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
		<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>
		<b>Voltage</b>		<b>Stability</b>		<b>Temp. Range</b>		<b>Frequency</b>
		18= 1.8 V		A= ±50		16= -10 to +60°C		Frequency in MHz
		25= 2.5 V		B= ±30		27= -20 to +70°C		i.e. 24M576
		33= 3.3 V		C= ±25		48= -40 to +85°C		use M for decimal point
				D= ±20				

Note: Consult factory for additional potential options not listed.