

CLOCK OSCILLATORS

T5000 Series Clock Oscillator

Ultra-Miniature, Low Profile, SMD



T5000

RoHS Compliant Standard

Features:

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

Model: T5000 Series Specifications

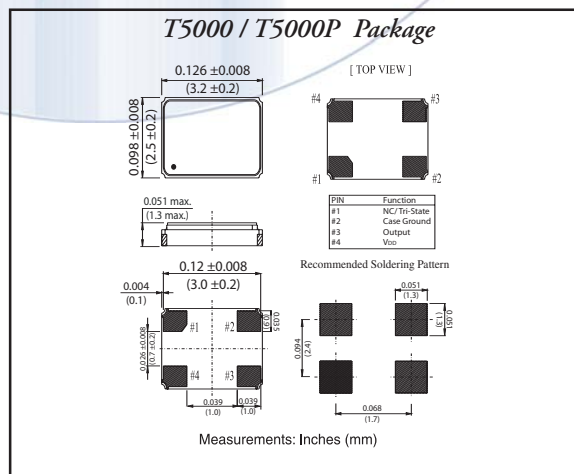
Parameter	Unit		
Center Frequency	MHz	1.0	100
Operating Temperature Range	°C	See Table	
Frequency Stability ⁽¹⁾	ppm	See Table	
Supply Voltage	VDC	3.3	2.5/1.8
Output Voltage	V _{OH}	10% V _{CC} max. V _{OL} = 90% V _{CC} min.	
Load	pF	15 max.	
Supply Current			
1.00MHz < 19.99MHz	mA	6	5
20.00MHz < 39.99MHz	mA	11	10
40.00MHz < 59.99MHz	mA	16	11
60.00MHz < 75.00MHz	mA	20	14
Transition Times			
Rise/ Fall Time (@ 10% - 90% V _{CC})	ns	10	10
Duty Cycle	%	45/55	40/ 60

(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	±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	±10, ±20, ±25, ±50, ±100



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