



T4000SS

RoHS Compliant Standard

# CLOCK OSCILLATORS

## T4000SS Series Clock Oscillator

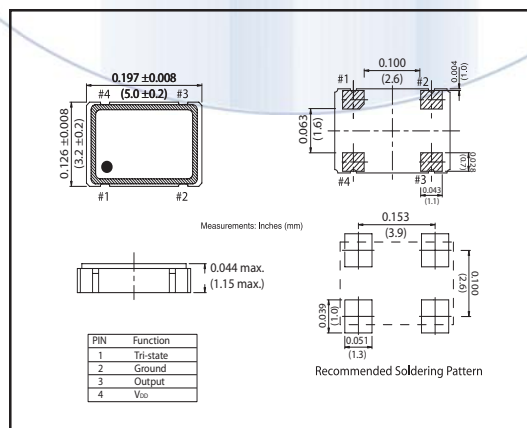
### Spread Spectrum

#### Features:

- ◆ Low EMI Output
- ◆ Ceramic SMD package
- ◆ Tape and Reel Available
- ◆ Compatible with pick and place
- ◆ CMOS

#### Model: T4000SS Series Specification

Parameters	T4000SS
Frequency Range <sup>(1)</sup>	1.00 to 168.00 MHz
Operating Temperature Range	-10 to 70°C
Frequency Stability	±50 ppm
Supply Voltage	+3.0 V or +3.3 V ±5%
Current Consumption	13 mA max. (up to 27.9MHz); 15 mA max. (upt to 79.9MHz)
Spread Spectrum	
Center Spread	±0.5/ ±1.0/ ±2.0%
Down Spread	±1.0/ ±2.0/ ±4.0%
Output	CMOS
Output Voltage	V <sub>OL</sub> : 10% V <sub>DD</sub> max. // V <sub>OH</sub> : 90% V <sub>DD</sub> min.
Output Load	15 pF
Rise and Fall Time	5 ns max.
Duty Cycle	40% to 60% at 1/2 V <sub>DD</sub>
Tri-State Function	#1 NC or "H": Output Enable // "L": Output Disable
Cycle to Cycle Jitter	100 ps max. (less than 20 MHz); 200 ps max. (over 20 MHz)



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