



T3000HS

RoHS Compliant Standard

# CLOCK OSCILLATORS

## T3000HS Series XO

### High Stability, SMD

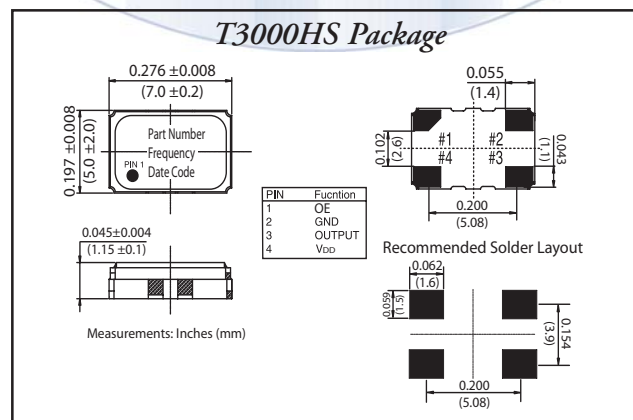
#### Features:

- ◆ CMOS with Tri-State
- ◆ High Stability, High Tolerance
- ◆ Low Phase Noise, Low Jitter
- ◆ Low Standby Current
- ◆ Applications: Cellular, Networking, Wireless, Remote Meter Reading

#### Model: T3000HS Series Specification

Parameters	T3000HS
Frequency Range	4.00 - 54.00 MHz
Operating Temperature Range	-40 to 85°C
Frequency Stability	vs. Tolerance @ 25°C: ±0.5 ppm vs. Temperature: ±2.5 ppm vs. Supply Voltage: ±0.2 ppm vs. Load: ±0.2 ppm vs. Aging: ±1.0 ppm/per year
Supply Voltage	+1.8V, +2.5 V, +3.0 V or +3.3 V ±5%
Current Consumption	7.0 mA max. (3.1 mA typ.)
Standby Current	10 µA max.
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	45% to 55% at 1/2 V <sub>DD</sub>
Tri-State Function	#1 NC or "H": Output Enable // "L": Output Disable
Phase Noise	-145 dBc/Hz typ. @ 10 kHz
Phase Jitter	1σ 3ps typ.

#### T3000HS Package



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