



T4000HS

RoHS Complaint Standard

CLOCK OSCILLATORS

T4000HS Series XO

High Stability, SMD

Features:

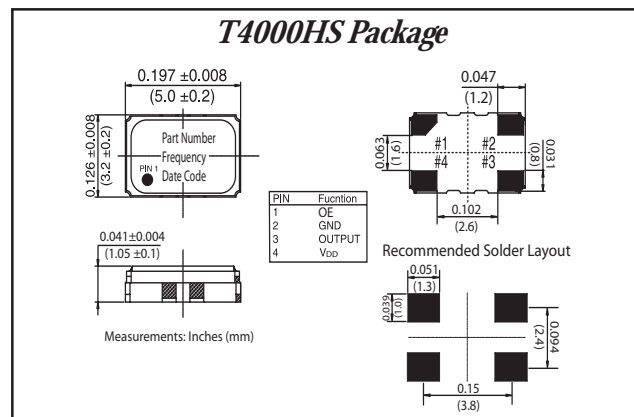
- ◆ CMOS with Tri-State
- ◆ High Stability, High Tolerance
- ◆ Low Phase Noise, Low Jitter
- ◆ Low Standby Current
- ◆ Applications: Cellular, Networking, Wireless, Remote Meter Reading

Model: T4000HS Series Specification

Parameters	T4000HS	
Frequency Range	4.00 ~ 54.00 MHz	
Operating Temperature Range	-40 to 85°C	
Frequency Stability	vs. Tolerance @ 25°C vs. Temperature vs. Supply Voltage vs. Load vs. Aging	±0.5 ppm ±2.5 ppm ±0.2 ppm ±0.2 ppm ±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 _{OL} : 10% V _{DD} max. // V _{OH} : 90% V _{DD} min.	
Output Load	15 pF	
Rise and Fall Time	5 ns max.	
Duty Cycle	45% to 55% at 1/2 V _{DD}	
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.	

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