



RoHS Complaint Standard

CLOCK OSCILLATORS

T5000HS 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: T5000HS Series Specification

Parameters	T5000HS
Frequency Range	4.00 ~ 54.00 MHz
Operating Temperature Range	-40 to 85°C
Frequency vs. Tolerance @ 25°C Stability 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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