


  
TT7000

# TCXOs, VCTCXOs

## TT~VT7000 Series TCXO/VCTCXO

### Ultra Low Profile, SMD

**Features:**

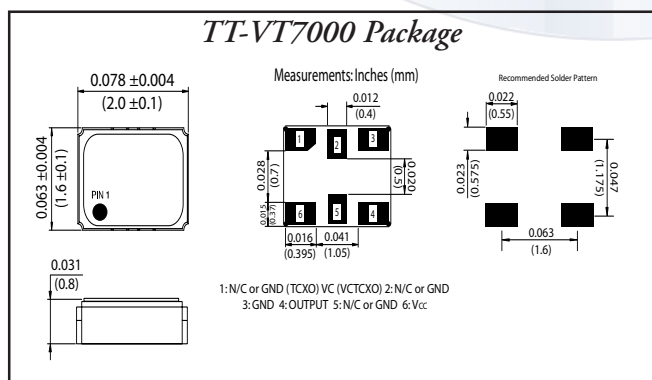
- ◆ Up to 52.00MHz
- ◆ Tight Stability Available
- ◆ +1.8 volt operation available
- ◆ Low current drain

Model: TT-VT7000 Series Specifications

Parameter	TT/VT7000
Frequency Range	13.00 MHz to 52.00 MHz
Operating Temperature Range	See Table
Frequency Tolerance @ 25°C	±0.5 ppm max.
Frequency Stability	
vs. Temperature	See Table
vs. Supply Voltage	±0.2 ppm (±5% change)
vs. Load	±0.2 ppm (±10% change)
vs. Aging	±1.0 ppm per year max.
Supply Voltage	1.8 V, 2.5 V, 2.8 V, 3.0V, 3.3V
Current Consumption	2.0 mA max.
Output	Clipped Sine Wave
Output Load	10 K Ohm // 10 pF
Output Voltage	0.8 V p-p max.
Start-up Time	2 mSec max.
Deviation (VCTCXO only)	±5 ppm min. // ±15 ppm max.
Voltage Control Input Impedance	500 K Ohms
Control Voltage (VCTCXO only)	0.4 V to 2.4 V (2.5,2.8 V); 0.3 to 1.5 V (1.8 V)
Phase Noise @ 1 kHz	-135 dBc/Hz typ.

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Temperature	Stability (ppm)
0 to 70°C	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-10 to 60°C	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-20 to 70°C	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-30 to 85°C	±1.0, ±1.5, ±2.0, ±2.5
-40 to 85°C	±1.5, ±2.0, ±2.5

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