



TT6000

RoHS Compliant Standard

# TCXOs, VCTCXOs TT~VT6000 Series TCXO/VCTCXO Ultra Low Profile, SMD

**Features:**

- ◆ Up to 40.00MHz
- ◆ +2.8 volt operation available
- ◆ Tight Stability Available
- ◆ Low current drain

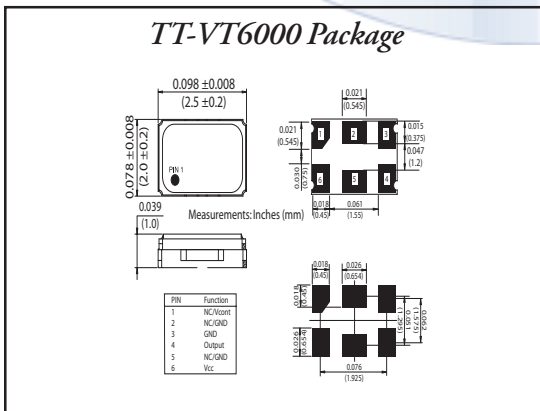
**Model: TT/VT6000 Series Specifications**

Parameter	TCXO	VCTCXO
Frequency Range	10.00 ~ 40.00 MHz	
Operating Temperature Range	See Table	
Frequency vs. Tolerance at 25°C	±0.5 ppm	
Stability vs. Temperature	See Table	
vs. Supply Voltage	±0.2 ppm (±5% change)	
vs Aging	±1.0 ppm/year	
Supply Voltage	+2.3V, +2.5V, +2.8 V, +3.0 V or +3.3V ±5%	
Current Consumption	2.0 mA max.	
Output Load	0.8V p-p max. (Clip Sine)	
Output Logic	10 kΩ // 10 pF (±10%)	
Input Impedance	1.0 MΩ	
Start up Time	2 mSec	
Deviation (VCTCXO only)	±3 ppm min.	±15 ppm Max.
Control Voltage (VCTCXO only)	+0.5 V min.	+2.5 V max

TCXO~VCTCXO: TT~VT6000 Series

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Temperature	Stability (ppm)
0 to 55°C	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-10 to 60°C	±1.0, ±1.5, ±2.0, ±2.5
-20 to 70°C	±1.5, ±2.0, ±2.5, ±3.0
-30 to 75°C	±1.5, ±2.0, ±2.5, ±3.0
-40 to 85°C	±2.0, ±2.5, ±3.0



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