



TT5000

RoHS Complaint Standard

TCXOs, VCTCXOs

TT~VT5000 Series TCXO/VCTCXO

Ultra Low Profile, SMD

Features:

- ❖ Up to 40.00MHz
- ❖ +2.5 volt operation available
- ❖ Low Stability Available
- ❖ Low current drain

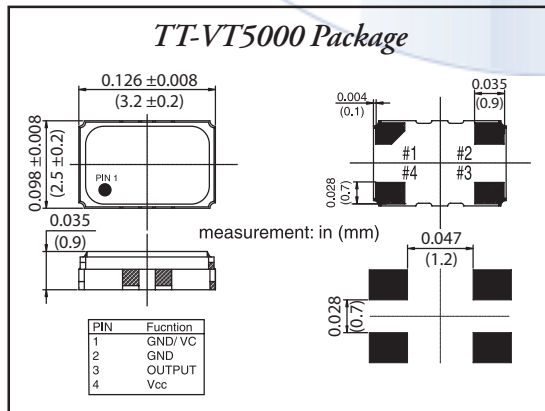
Model: TT/VT5000 Series Specifications

Parameter	TCXO	VCTCXO
Frequency Range	8.00 ~ 40.00 MHz ¹	
Operating Temperature Range	See Table	
Frequency vs. Temperature	See Table	
Stability vs. Supply Voltage	±0.2 ppm (±5% change)	
vs. Aging	±1.0 ppm/year	
Supply Voltage	+2.5V, +2.8 V, +3 V or +5 V ±5%	
Current Consumption (8.00 MHz to 14.99 MHz) (15.00 MHz to 25.99 MHz) (26.00 MHz to 40.00 MHz)	1.5 mA max. 2.0 mA max. 2.5 mA max.	
Output Load	0.8V p-p max. (Clipped Sine)	
Output Logic	10 K Ohms // 10 pF (±10%)	
VC Input Impedance	500 K Ohms	
Start up Time	2 mSec	
Deviation (VCTCXO only)	±5 ppm min.	±15 ppm Max.
Control Voltage (VCTCXO only)	+0.5 V min.	+2.5 V max

(1) 26.00 to 40.00MHz only available at 2.8 volts to 3.3 volts.

TCXO~VCTCXO: TT~VT5000 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	±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	±0.5, ±1.0, ±1.5, ±2.0, ±2.5
-40 to 85°C	±1.0, ±1.5, ±2.0, ±2.5

Standard Frequencies
16.3676, 16.367667, 16.368, 16.369, 19.20, 20.00, 24.5535, 26.00, 38.40, and 40.00 MHz

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