



# Crystal Oscillator

## SERIES 7T / TCXO, Seam Sealed 3.2×2.5 mm Temperature Compensated Crystal Oscillator

### APPLICATION

- Mobile communication, Avionics, Test Equipment, Electronic instruments
- Lead Free & RoHS Compliant
- Low voltage supply, Low phase noise.



### ELECTRICAL SPECIFICATIONS

Parameter	Value	Condition
Output Frequency	16.000MHz ~ 26.000MHz	
Supply Voltage	+2.3V ~ +3.3V	
Output Level	0.8 V <sub>p-p</sub> Min. (Clipped Sine Wave)	10kohm/10pF +/-10% each
Current	10 mA Max	10kohm/10pF +/-10% each
Operating Temperature Range	-30°C to +85°C	
Storage Temperature Range	-40°C to +85°C	
<b>Frequency Stability</b>		
vs. Temperature	+/-0.5ppm Max. +/-1.0ppm Max. +/-1.5ppm Max.	Referenced to the mid point between Min. and Max. frequency
vs. Supply Voltage	+/-0.1ppm Max.	V <sub>cc</sub> ±10%
vs. Load	+/-0.2ppm Max.	10kohm/10pF +/-10% each
vs. Aging	+/-1.0ppm Max.	1 Year
vs. Reflow Soldering	+/-1.0ppm Max.	2 Times
Initial Frequency Tolerance	+/-1.0ppm Max.	25°C
Phase Noise	-58dBc/Hz typ. -88dBc/Hz typ. -113dBc/Hz typ. -135dBc/Hz typ. -145dBc/Hz typ.	1Hz offset 10Hz offset 100Hz offset 1KHz offset 10KHz offset
Frequency Slop	/-0.1pm/°C Max	-20 to 70°C 1 frequency reading every 2°C

### DIMENSION (mm)

