

# Precision Sub-Miniature 5.0x3.2mm TCXO / VCTCXO Designed for Telecom Applications



## Description:

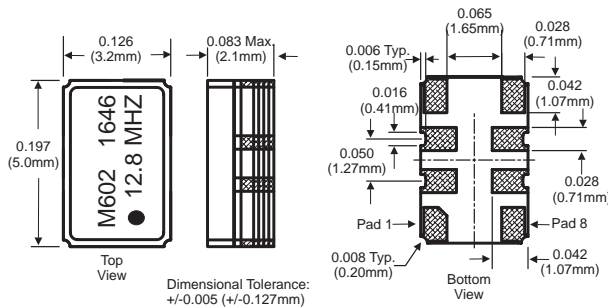
The Connor-Winfield 5.0x3.2mm Temperature Compensated Crystal Oscillators and Voltage Controlled Temperature Compensated Crystal Oscillators are designed for use in applications requiring tight frequency stability in a small package. Through the use of Analog Temperature Compensation, this device is capable of holding sub 1-ppm stabilities over wide temperature ranges.



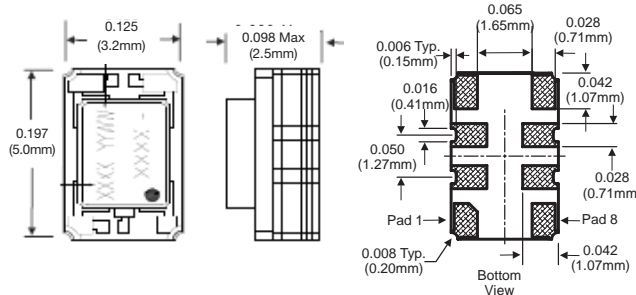
## Features:

- 3.3V Operation
- LVCMOS or clipped Sinewave Output Logic
- Sub-Miniature 5.0x3.2mm SMT Package
- Frequency Stabilities Available: **STRATUM 3**  
±0.28 ppm with Stratum 3 Holdover  
±0.50 ppm or ±1.00 ppm
- Temperature Ranges Available:  
0 to 70°C; 0 to 85°C; -20 to 70°C; -40 to 85°C
- Low Power <10mA
- Low Jitter <1pS RMS
- Low Phase Noise
- Tape and Reel Packaging
- RoHS Compliant / Lead Free **RoHS**
- Recommended for new designs

## Package Layout



## Alternate Package Layout for Select Frequencies



## Applications:

- STRATUM 3 Applications
- GPS Receivers
- Instrumentation
- Femtocells
- FTTH, FTTC

## Pad Connections

Pad	Connection
1:	Voltage Control or N/C
2:	Do Not Connect
3:	Do Not Connect
4:	Ground
5:	Output
6:	Do Not Connect
7:	Do Not Connect
8:	Supply, Vcc

## Ordering Information

M	6	0	2	012.8M
Type: Precision TCXO VCTCXO 3.2x5.0mm	Temperature Range 3 = 0 to 85°C 5 = 0 to 70°C 6 = -40 to 85°C 7 = -20 to 70°C	Frequency Stability 0 = ±0.28 ppm 1 = ±0.50 ppm 2 = ±1.00 ppm	Features 2 = TCXO, LVCMOS, 3.3 Vdc 3 = TCXO, Clipped Sinewave, 3.3 Vdc 4 = VCTCXO, LVCMOS, 3.3 Vdc 5 = VCTCXO, Clipped Sinewave, 3.3 Vdc	Output Frequency Frequency Format -xxx.xM Min* -xxx.xxxxxM Max* * Min 1 and Max 6 digits after the decimal point. M = MHz

\* See page 3 for frequency range information on each part number.