

High Precision TCXO /VCTXCO

CONNOR WINFIELD



Description:

The Connor-Winfield 5.0x7.0mm Temperature Compensated Crystal Controlled Oscillators and Voltage Controlled Temperature Compensated Crystal Controlled 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 the commercial or the industrial temperature ranges.



Applications:

- GPS Receivers
- Instrumentation
- Femtocells
- FTTH, FTTC

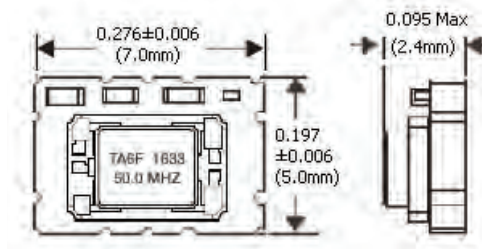
Pin Connections

| | |
|----|--|
| 1 | Do not connect |
| 2 | Do not connect |
| 3 | Do not connect |
| 4 | Ground |
| 5 | Output |
| 6 | Do not connect |
| 7 | Do not connect |
| 8 | Tri-state Enable / Disable |
| 9 | Supply, Vcc |
| 10 | Voltage Control (VCTXCO) N/C (TCXO) |

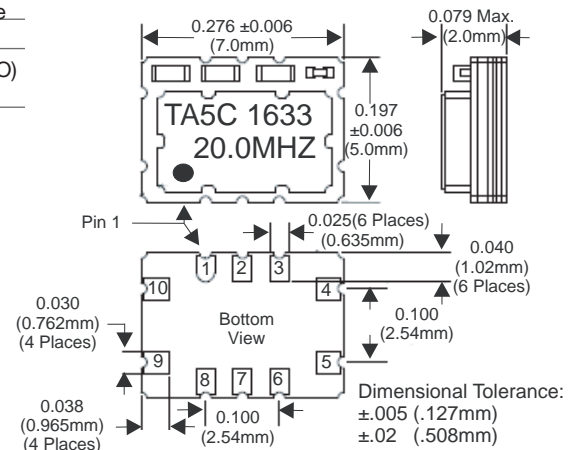
Features:

- 3.3V or 5.0V Operation
- CMOS or Clipped Sinewave Output Logic
- Frequency Stabilities Available:
 - Tx5C / Tx6C Series: ± 0.25 ppm
 - Tx5E / Tx6E Series: ± 0.50 ppm
 - Tx5F / Tx6F Series: ± 1.00 ppm
- Temperature Ranges Available:
 - Tx5x Series: 0 to 70°C
 - Tx6x Series: -40 to 85°C
- Low Jitter <1pS RMS
- Tri-State Enable/Disable Function
- Miniature 5x7mm Surface Mount Package
- Tape and Reel Packaging
- RoHS Compliant / Lead Free
- Recommended for new designs

Alternate Package Height for Select Frequencies



Package Layout



Standard Frequencies Available *

6.4 MHz 9.72 MHz 10.0 MHz 10.24 MHz 12.5 MHz 19.44 MHz 20.0 MHz 20.48 MHz
12.8 MHz 13.5 MHz 19.2 MHz 25 MHz 27 MHz 38.88 MHz

* Available frequencies from the factory for small quantity orders or quick delivery. Additional frequencies are available.

Ordering Information

| | | | | |
|---|---|--|--|--|
| T | A | 5 | C | 020.0M |
| Type: Precision TCXO VCTXCO 5x7mm | Features: A = TCXO, LVCMOS, 3.3Vdc B = TCXO, Clipped Sinewave, 3.3Vdc C = TCXO, HCMOS, 5.0Vdc D = TCXO, Clipped Sinewave, 5.0Vdc E = VCTXCO, LVCMOS, 3.3Vdc F = VCTXCO, Clipped Sinewave, 3.3Vdc G = VCTXCO, HCMOS, 5.0Vdc. H = VCTXCO, Clipped Sinewave, 5.0Vdc. | Temperature Range: 5 = 0 to 70°C 6 = -40 to 85°C | Frequency Stability: C = ± 0.25 ppm E = ± 0.50 ppm F = ± 1.00 ppm | Output Frequency: Frequency Format -xxx.xM Min.* -xxx.xxxxxM Max.* *Maximum of 6 digits after the decimal point. M=MHz |