

CVT25 Model

3.2X2.5 mm SMD, 3V, TCVCXO

Available Frequencies:	See Table 1
Calibration Tolerance:	±1.5ppm
Frequency Stability:	±2.5ppm
Temperature Range:	-30°C to 75°C
Storage:	-40°C to 90°C
Input Voltage:	3.0V ± 5%
Input Current:	1.2mA Typ., 2mA Max
Output:	0.8Vp-p Min
Waveform:	Clipped Sine
Load:	10Kohm // 10pF Typ.
Voltage Control:	1.5V ± 1.0V
Vcont Trim.	±8ppm Min.
Harmonics:	-5 dBC Max
Phase Noise:	-110 dBc/Hz Max 100Hz offset
	-130 dBc/Hz Max 1KHz offset

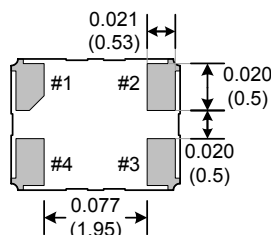
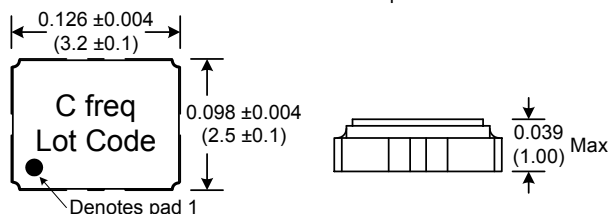


Designed to meet today's requirements for precision operation and small layout applications. Temperature compensation is accomplished through digital technology. Standard packaging is 3K tape and reel.

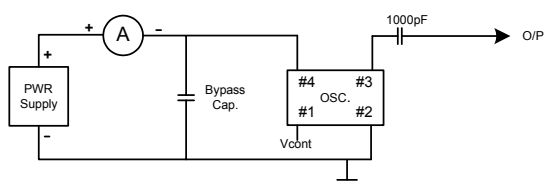
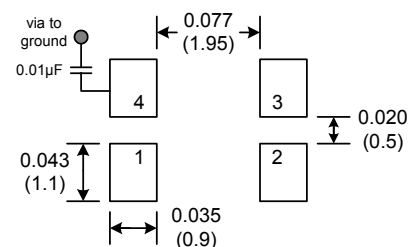
Aging: 1ppm Max / yr

Dimensions inches (mm)

All dimensions are Max unless otherwise specified.



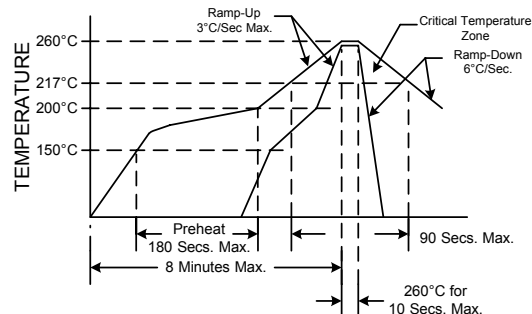
SUGGESTED PAD LAYOUT



Available Frequencies
13.000
19.200
26.000
33.600
38.400

Table 1

RECOMMENDED REFLOW SOLDERING PROFILE



NOTE: Reflow Profile with 240°C peak also acceptable.

Crystek Part Number Guide

Part Number	Frequency Stability
CVT25-Frequency	± 2.5ppm

Example: P/N CVT25-19.200MHZ = 3.0V Input Voltage
±1.5ppm Calibration Tolerance
±2.5ppm Frequency Stability
-30°C to 75°C Operating Temp.
Volt. Trim, Clipped Sinewave

Table 2

Note* Not Recommended for ultrasonic wash

Specifications subject to change without notice.

TD-061001 Rev. C



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