



CRYSTEK
CRYSTALS
A DIVISION OF CRYSTEK CORPORATION

**CVT25 3.2x2.5mm SMD
Temperature Compensated
Crystal Oscillator
3.0 Volts**



Model CVT25 is a 13.000MHz to 38.400MHz Clipped Sinewave TCXO operating at 3.0Volts. The oscillator utilizes digital temperature compensation to provide stable frequency output over temperature. No Sub-Harmonics are present in the Output Signal.



3.2x2.5mm SMD

Applications:

**GSM
GPRS
3G
CDMA
W-CDMA**



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CVT25 3.2x2.5mm SMD Temperature Compensated Crystal Oscillator



Available Frequencies: 13.0, 19.2, 26.0, 33.6, 38.4MHz
Frequency Stability: ±2.5ppm Max

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: Clipped Sinewave
Load: 10Kohm // 10pF Typ.
Voltage Control: 1.5V ± 1.0V
Vcont Trim: ±8ppm Min.

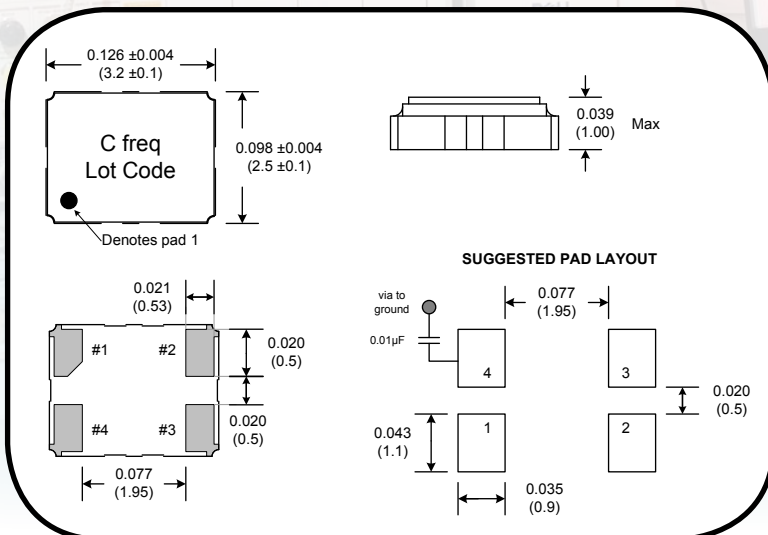
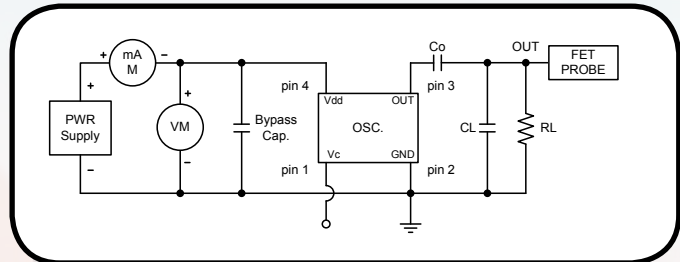
Phase Noise:
Offset 100Hz -110 dBc/Hz Max
Offset 1KHz -130 dBc/Hz Max
Harmonics: -5dBc Max
Aging: <1ppm per year

Ordering Information: CVT25-Frequency
Example: CVT25-19.200

Packaging: 2,000pcs Tape/Reel

Mechanical:
Shock: MIL-STD-883, Method 2002, Condition B
Solderability: MIL-STD-883, Method 2003
Vibration: MIL-STD-883, Method 2007, Condition A
Solvent Resistance: MIL-STD-202, Method 215
Resistance to Soldering Heat: MIL-STD-202, Method 210, Condition I or J

Environmental:
Thermal Shock: MIL-STD-883, Method 1011, Condition A
Moisture Resistance: MIL-STD-883, Method 1004



Pad	Connection
1	Voltage Control
2	GND
3	Signal Out
4	VCC

