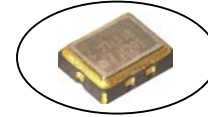


Temperature Compensated Crystal Oscillator Voltage Trim



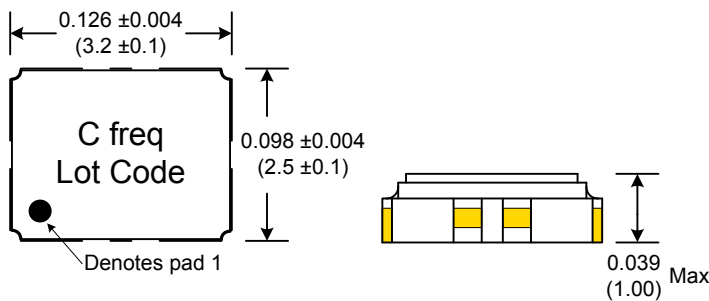
CVT25 Model 2.5x3.2 mm SMD, 3V, TCXO

| | |
|-------------------------------|------------------------------|
| Available Frequencies: | 13.0, 19.2, 26.0, 40.0 (MHz) |
| 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: | 0.8Vp-p Min |
| Waveform: | Clipped Sinewave |
| Load: | 10kΩ // 10pF Typ. |
| Voltage Control: | 1.5V ±1.0V |
| Vcont Trim: | ±8ppm Min. |
| Harmonics: | -5dBc Max |
| Phase Noise: | 100Hz Offset -110 dBc/Hz Max |
| 1kHz Offset | -130 dBc/Hz Max |
| Aging: | <1ppm per year |
| Ordering Information: | CVT25-Frequency |
| Example: | CVT25-19.200 |
| Packaging: | 2,000pcs Tape/Reel |

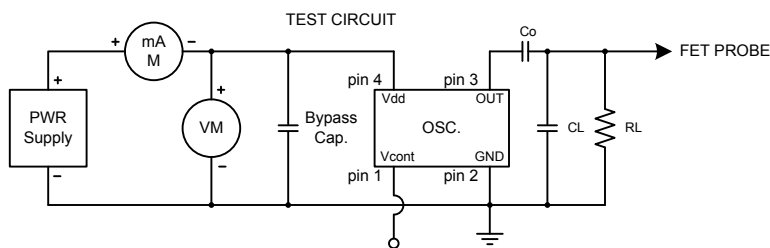
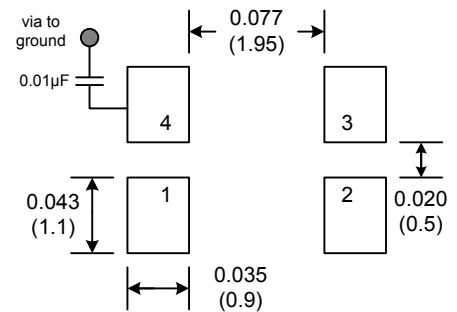
Model CVT25 is a 13.000MHz to 40.000MHz Clipped Sinewave TCXO operating at 3.0 Volts. The oscillator utilizes digital temperature compensation to provide stable frequency output over temperature. No Sub-Harmonics are present in the Output Signal.

Applications:
GSM
GPRS
3G
CDMA
W-CDMA

Dimensions inches (mm)
All dimensions are Max unless otherwise specified.

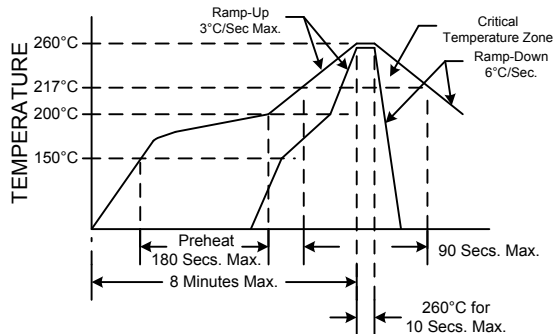


SUGGESTED PAD LAYOUT



| PIN | Function |
|-----|------------|
| 1 | Volt Cont. |
| 2 | GND |
| 3 | OUT |
| 4 | Vcc |

RECOMMENDED REFLOW SOLDERING PROFILE



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

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

Specifications subject to change without notice.

TD-061001 Rev. H