

## Typical Applications

PCS Base Stations  
Cellular Base Stations  
Digital Switching  
Test Equipment

## Features

Low Phase Noise  
Standard Package  
Electronic Frequency Control

## Frequency Range

10 MHz – 80 MHz

## Parameters

| Parameters                  |                                     | Model Numbers                |
|-----------------------------|-------------------------------------|------------------------------|
| Operating Temperature Range | Frequency Stability (ppm)           | Frequency Range 10 to 80 MHz |
| 0....50°C                   | ± 0.5 ppm<br>± 1.0 ppm<br>± 2.0 ppm | 567VAA<br>567VAB<br>567VAD   |
| -20....+70°C                | ± 1.0 ppm<br>± 1.5 ppm<br>± 2.0 ppm | 567VBB<br>567VBC<br>567VBD   |
| -30....+75°C                | ± 1.5 ppm<br>± 2.0 ppm              | 567VCC<br>567VCD             |

Typical at 13 MHz. <sup>2</sup>Frequency decreases as voltage increases.

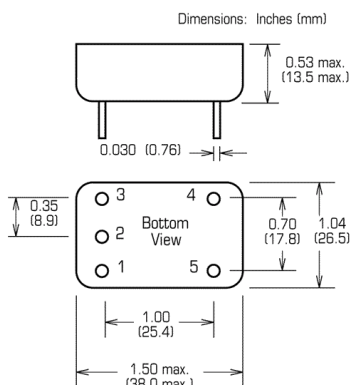
## Additional Parameters

Supply Voltage: +5 Vdc standard, +8 Vdc optional  
Current: 25 mA max.  
Output: HCMOS compatible square wave  
Duty Cycle: 45/55%  
Non-Harmonic Spurious: -90 dBc max.  
Aging: ± 1 ppm/year  
Electrical Frequency Control  
Voltage Range: 0.5 to 4.5 Vdc  
Deviation: ± 10 ppm min.  
Slope<sup>2</sup>: Negative  
Input Impedance: > 10 kohms

## Typical Phase Noise @ 13 MHz

1Hz Offset - 65 dBc / Hz  
10Hz Offset -95 dBc / Hz  
100Hz Offset -120 dBc / Hz  
1kHz Offset -145dBc / Hz  
10kHz Offset -150dBc / Hz

## Enclosure



## PIN CONNECTIONS

1 – EFC  
2 – No Connection  
3 – Supply Voltage  
4 – RF Output  
5 – GND

Remove "V" from Model Number when ordering without EFC.

Unless otherwise specified, any TCXO ordered without either Mechanical or Electrical Trim capability shall have a frequency calibration tolerance at Room Temperature of ± 2ppm and the frequency stability tolerance over temperature will be from that measured value.