SINEWAVE TCXO / VC-TCXO IN 14 PIN DIP COMPATIBLE PACKAGE - TCTS Series

FEATURES

- RoHS Compliant (Pb-Free), Tight Stability over Wide Temperature Range
- Available with both Voltage Control for Electric Frequency Adjustments and Internal Trimmer
- Clipped Sinewave Output, Low Phase Noise
- 14-pin DIP Compatible Package, Industry de factor Standard Footprint

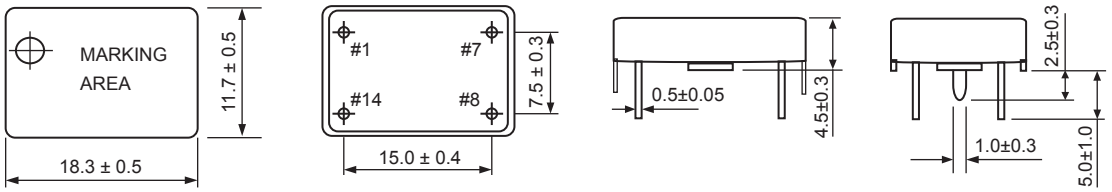
SPECIFICATIONS

Frequency Range	8 MHz to 35 MHz
Standard Frequency	12.8/13.0/14.4/15.36/16.8/19.44 MHz
Supply Voltage (Vcc)	A = 5.0 VDC ± 5%; B = 3.3 VDC ± 5%
Input Current	3 mA Maximum
Storage Temperature	-40°C to 85°C
Controllable Frequency Option	VI = Voltage control: ±5 ppm Minimum + Internal trimmer: ±3 ppm Minimum I = Internal trimmer only (no voltage control input): ±3 ppm Minimum
Control Voltage (Vc)	2.5±2.0 VDC for Vcc = 5 VDC; 1.65±1.5 VDC for Vcc = 3.3 VDC
Setability of Vc at Fnom, 25°C	2.5±0.5 V DC for 5.0V part; 1.65±0.4 VDC for 3.3V part
Frequency Stability vs Temp.	010 = ±1 ppm; 015 = ±1.5 ppm; 020 = ±2 ppm; 025 = ±2.5 ppm; 050 = ±5 ppm
Temperature Range	A = 0°C to 70°C; B = -40°C to 85°C; F = 0°C to 50°C; H = -30°C to 75°C
Standard Stability	025H = ±2.5 ppm / -30°C to 75°C
Frequency Stability vs Vcc	±0.3 ppm Maximum / Vcc ± 5%
Frequency Stability vs Load	±0.3 ppm Maximum / 10 kOhms// 10 pF ± 10%
Aging	±1 ppm Maximum per year @25°C
Phase Noise	-145 dBc/Hz at 1KHz
Output Load	10 kOhms or 10 pF
Output Waveform	Clipped Sine wave
Output Level	1.0Vp-p Minimum

Creating a Part Number **TCTS-25M000-A VI 015 A**

- Product Series
- Frequency
- Supply Voltage: A = 5.0V, B = 3.3V
- Tuning: VI, I
- Frequency Stability: 015 = ±1.5 ppm, 020 = ±2 ppm, 025 = ±2.5 ppm
- Operating Temperature Range: A = 0 to 70°C, B = -40 to 85°C, H = -30 to 75°C, X = Customized Temp Range

OUTLINE DRAWING



Pin Connections
#1: Vc or N/C
#7: Ground
#8: Output
#14: Vcc

All dimensions are typical unless otherwise specified

Dimensions in Millimeters