



SINEWAVE TCXO / VC-TCXO IN SMD PACKAGE - TCSS Series

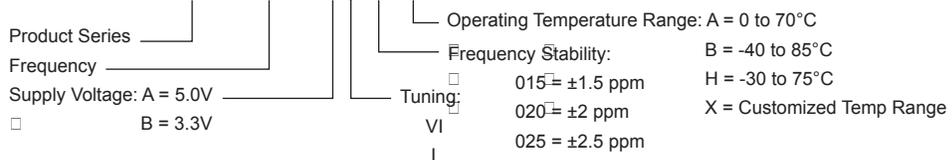
FEATURES

- 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
- Industry de factor Standard SMD Footprint

SPECIFICATIONS

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

Creating a Part Number **TCSS-25M000-A I 015 A**



OUTLINE DRAWING

