



SINEWAVE TCXO/VC-TCXO IN 14 PIN DIP HERMETICALLY SEALED PACKAGE - TCHS Series

FEATURES

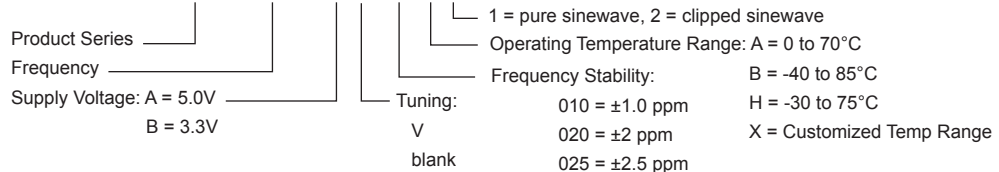
- RoHS Compliant (Pb-Free), Tight Stability over Wide Temperature Range
- Available with Voltage Control for Electric Frequency Adjustment
- Sinewave or Clipped Sinewave Output, Low Phase Noise, Low Power Consumption
- Hermetically Sealed Package, Industry de factor Standard Footprint

SPECIFICATIONS

Frequency Range	8 MHz to 40 MHz
Supply Voltage (Vcc)	A = 5.0 VDC \pm 5%; B = 3.3 VDC \pm 5%
Input Current	5 mA Maximum
Storage Temperature	-40°C to 85°C
Controllable Frequency Option	V = Voltage control: \pm 5 ppm Minimum
Control Voltage (Vc)	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	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. Temperature Range	010 = \pm 1 ppm; 015 = \pm 1.5 ppm; 020 = \pm 2 ppm; 025 = \pm 2.5 ppm; 050 = \pm 5 ppm
Standard Stability	A = 0°C to 70°C; B = -40°C to 85°C; F = 0°C to 50°C; H = -30°C to 75°C 025H = \pm 2.5 ppm / -30°C to 75°C
Frequency Stability vs Vcc	\pm 0.3 ppm Maximum / Vcc \pm 5%
Frequency Stability vs Load	\pm 0.3 ppm Maximum / 10 kOhms// 10 pF \pm 10%
Aging	\pm 1 ppm Maximum per year @25°C
Phase Noise	-145 dBc/Hz at 1KHz for 10MHz
Non-harmonic Spurious	-50 dBc Max for 10MHz
Harmonic Distortion	-20 dBc Max for 10MHz
Output Load	50 Ohms for pure Sinewave; 10 kOhms/10 pF for clipped Sinewave
Output Waveform	1 = Pure Sinewave; 2 = Clipped Sinewave
Output Level	1.0Vp-p Minimum

Creating a Part Number

TCHS-10M000-A V 010 A 1



OUTLINE DRAWING

