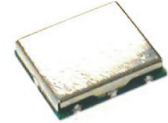


Temperature Compensated Crystal Oscillators

SINEWAVE LOW PHASE NOISE TCXO/VC-TCXO IN SMD PACKAGE – TCLS4



FEATURES

- RoHS Compliant (Pb-Free), Tight Stability over Wide Temperature Range
- Sinewave Output, Ultra Low Phase Noise

SPECIFICATIONS

Frequency Range	10MHz to 120MHz
Frequency Stability vs Temp. Temperature Range Standard Stability	005=±0.5 ppm; 010=±1 ppm; 020=±2.0 ppm; 025=±2.5 ppm A=0°C to +70°C; B=-40°C to +85°C; J=-40°C to +70°C 010C=±1ppm / -40°C to +70°C
Supply Voltage (Vcc) Input Current Storage Temperature	A=+5.0 VDC ± 5% 30mA Maximum at 25°C -55°C to +85°C
Controllable Frequency Option Frequency Stability vs Vcc Frequency Stability vs Load Aging	V = ±5 ppm Typ. with control voltage Vc = 0 to +5V ±0.2 ppm Maximum / +2.5V ±5% ±0.2 ppm Maximum / 50Ohms ±10% ±1 ppm Maximum per year at 25°C after 30 days
Phase Noise (100MHz, Typ)	-105 dBc/Hz at 100Hz -145 dBc/Hz at 1KHz -150 dBc/Hz at 10KHz
Output Load Output Waveform Output Level Harmonic Attenuation Spurious Attenuation	50 Ohms Sine wave +7.0 dBm Minimum -25 dB Maximum -70 dB Maximum

Creating a Part Number

TCLS4-80M000-A V 010 J

Product Series	_____	Operating Temperature Range:	
Frequency	_____	Frequency Stability:	A=0°C to +70°C B=-40°C to +85°C
Supply Voltage: A=5.0V	_____	Tuning:	010=±1.0 ppm 020=±2.0 ppm 025=±2.5 ppm J=-40°C to +70°C
		V	

OUTLINE DRAWING

