

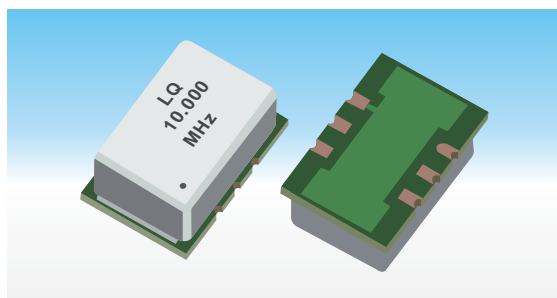
# OCXO / oven Controlled Crystal Oscillator

9X Series SMD 14×9 OCXO

5MHz~40MHz

O: HCMOS

Size:14.5×9.6×6.5 mm



## Features

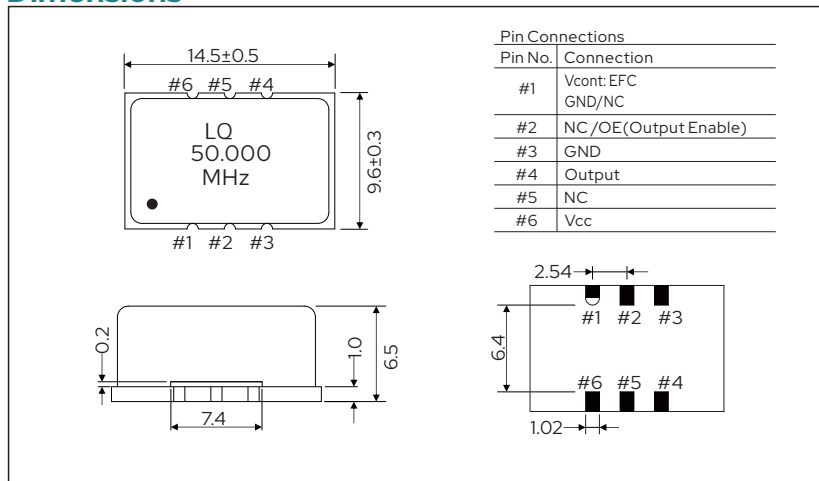
- Dimension 14.5×9.6×6.5 mm, miniature 6-pad SMD package
- 3.3V supply voltage
- Voltage control (Electronic Frequency Tuning) is standard
- Output type: Clipped Sine Wave /CMOS
- High frequency range: 5MHz~40MHz
- ±30ppb stability over -40°C~+85°C
- Application for small cell, Test & Instrumentation, Synthesizer, Digital switch, Portable telecommunication device, etc
- RoHS Compliant /Pb Free



## Standard Specifications

Item	Item	9X Series SMD 14×9 OCXO
Output Frequency Range		5MHz~40MHz
Supply Voltage		3.3V
Output Level		Rectangular wave, Square wave, HCMOS, "0" level 0.4V max.; "1" level 2.4V min. Symmetry: 45~55%
Output Load		15pF
Power Consumption		0.6Watts max. at steady-state; 600mA max. at turn-on.
Frequency Stability	vs. Tolerance	±200ppb max.
	vs. Temperature	±30ppb max.
	vs. Supply Voltage	±10ppb max. (Vcc±5%)
	vs. Warm-up Time	5 minute max. Within ±100ppb of its reference frequency.
	vs. Aging	±3.0ppb max./after 30 days; ±400ppb max./first year; ±2ppm max. over 10 years.
Rise and Fall Time		7nS (max.) (20%~80% of waveform)
Voltage Control On Pin1 (EFC) (Electrical Freq. Tuning)	Frequency Adjustment Range	±5ppm min.
	Control Voltage Range	+1.65V±1.65V@3.3V, +2.5V±2.5V@5.0V
	Transfer Function	Positive: Increasing control voltage increases output frequency
	Input Impedance	100KΩ min.
	EFC Linearity	±10% max.
Phase Noise @20MHz	Offset 10Hz	-98dBc/Hz
	Offset 100Hz	-126dBc/Hz
	Offset 1KHz	-145dBc/Hz
	Offset 10KHz	-152dBc/Hz
Operating Temperature Range		-30~+85°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C

## Dimensions



## Recommended Land Pattern [mm]

