

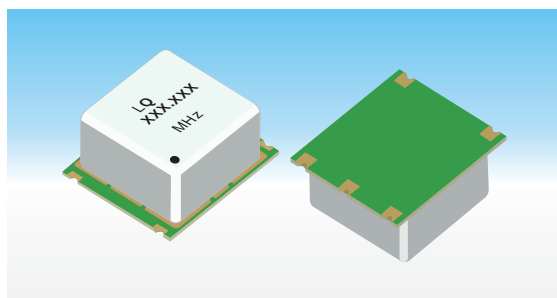
OCXO / oven Controlled Crystal Oscillator

5X2 Series SMD 25×22 OCXO

10MHz~100MHz

O: Sine Wave

Size:25.4×22.0×13.2 mm



Features

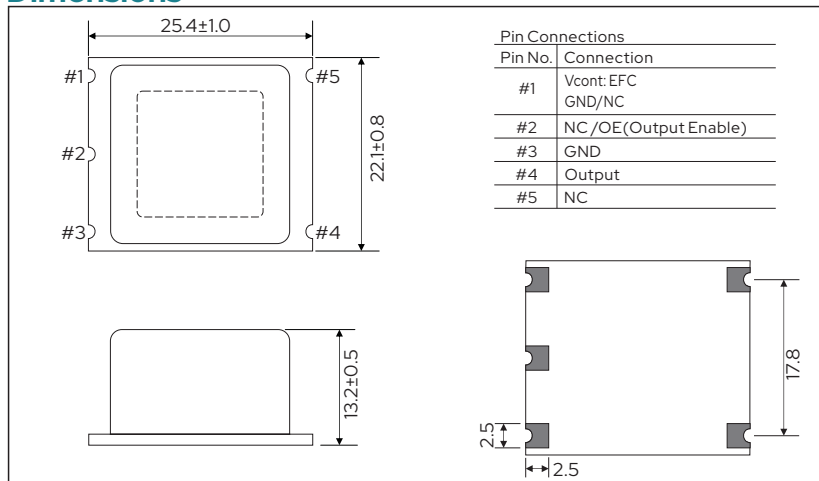
- Dimension 25.4×22.0×13.2mm, miniature 5-pad SMD package
- 12V supply voltage
- Voltage control (Electronic Frequency Tuning) is standard
- Output wave: Sine Wave
- High frequency range: 10MHz~100MHz
- ±10ppb stability over -40°C~+85°C
- Application for SDH/SONET, Test & Instrumentation, Synthesizer, Digital switch, Portable telecommunication device, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item		5X2 Series SMD 25×22 OCXO
Output Frequency Range		10MHz~100MHz
Supply Voltage		12V
Output Level		Sine Wave 8~12dBm Harmonics: -30dBc max. Spurious: -100dBc max.
Output Load		50Ω
Power Consumption		2.3 Watts max. at steady-state; 500mA max. at turn-on.
Frequency Stability	vs. Initial Calibration Tolerance	±300ppb max.
	vs. Temperature	±5ppb~±100ppb max.
	vs. Supply Voltage	±5ppb max. (Vcc±5%)
	vs. Warm-up Time	5 minute max. Within ±50ppb of its reference frequency.
	vs. Aging	±0.5ppb max./after 30 days ; ±50ppb max./first year ; ±300ppb 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	±0.4ppm~±3ppm
	Control Voltage Range	+0.5V~9.5V
	Transfer Function	Positive: Increasing control voltage increases output frequency
	Input Impedance	50KΩ min.
	EFC Linearity	±10% max.
Phase Noise @10MHz	Offset 10Hz	-142dBc/Hz
	Offset 100Hz	-155dBc/Hz
	Offset 1KHz	-165dBc/Hz
	Offset 10KHz	-170dBc/Hz
Operating Temperature Range		-30~+85°C, -45~+85°C, or specify
Storage Temperature Range		-55~+125°C

Dimensions



Recommended Land Pattern [mm]

