

# OCXO

## 50MHz~120MHz 25mm\*25mm, Fast Warming-up, Wide Temperature Range, Ultra Stable OCXO

### Quick Detail:

- Aluminum housing
- 5V/12V Operating Voltage (VCC)
- -55°C~+85°C operating temperature
- SMD package
- High precision
- Low phase noise
- CMOS or Sine Wave Output Waveform
- CE, RoHS, REACH compliant
- 1 Year Warranty

### Description:

The LT-CR-OC-BO2525H is the newest addition to ZR's line of OCXOs. We provide sinewave or CMOS output waveforms with a phase noise of -100 dBc/100MHz (at 10 Hz offset) and have a frequency stability of  $\pm 500$  ppb (vs. temperature). These OCXOs are fabricated using an SC-cut crystal that offers high stability and low aging. They are available in surface-mount packages that measure 25.5 x 25.5 x 13.0 mm. These OCXOs are ideal for satellite communications, base stations, measuring instruments, etc...

### Specifications:

#### Electrical / Optical Characteristics (Ta=25°C±3°C)

Items	Specification	Conditions
Part Number	LT-CR-OC-BO2525H	
Frequency Range	50MHz~120MHz	
Operating Voltage(VCC)	5V/12.0V	
Setup Power Consumption	≤4.0W	
Operating Temperature	-55°C~+85°C	
Frequency Stability vs. Temperature	≤±500ppb	-55°C ~ +85°C
Frequency Tolerance	≤±300ppm	At shipment, nominal EFC

Output Waveform	Sine Wave	
Output Impedance		
Output Power		
Control Voltage(VC)	0V~5V	
Voltaged Frequency Range		
Voltage Control Slope		
Voltage Control Linearity		
Input Impedance		
Phase Noise (Max.)	-100dBc/Hz@10Hz; -135dBc/Hz@100Hz; -160dBc/Hz@1kHz; -170dBc/Hz@10kHz; -173dBc/Hz@100kHz	Typical Frequency:100MHz At +25°C ,Sinewave
Dimension	25.5 x 25.5 x 13.0 mm	
Note: for custom specs, please contact us directly.		

### Outline Drawing (Unit: mm):

