

5MHz 100 Mhz 125MHz Oven Controlled Crystal Oscillator Ocxo High Precision Low Phase Noise

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-OC-50M-2020
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



LT-CR-OC-50M-2020

Product Specification

- Features: Low Phase Noise
- Product Name: LT-CR Series Oven Controlled Crystal Oscillator
- Application: Satellite Communications, Base Stations, Measuring Instruments, Etc
- Material: Aluminum
- Temperature: -55~85
- Frequency Range: 5MHz~125MHz
- Voltage: 3.3~15V
- Color: Silver
- Highlight: oven controlled crystal oscillator ocxo, ocxo oscillator, 100 mhz ocxo oscillator

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Product Description

5MHz~125MHz LT-CR series oven controlled crystal oscillator

Key Features

- Aluminum housing
- 3.3V~15V Operating Voltage (VDD)
- 55 ~+85 operating temperature
- SMD package
- High precision
- Low phase noise
- CMOS or Sine Wave Output Waveform
- CE, RoHS, REACH compliant
- 1 Year Warranty

The LT-CR-OC-50M-2020 is the newest addition to ZR's line of OCXOs. We provide sinewave or CMOS output waveforms with a phase noise of -110 dBc/Hz (at 10 Hz offset) and have a frequency stability of ± 10 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 20 x 20 x 11 mm. These OCXOs are ideal for satellite communications, base stations, measuring instruments, etc.

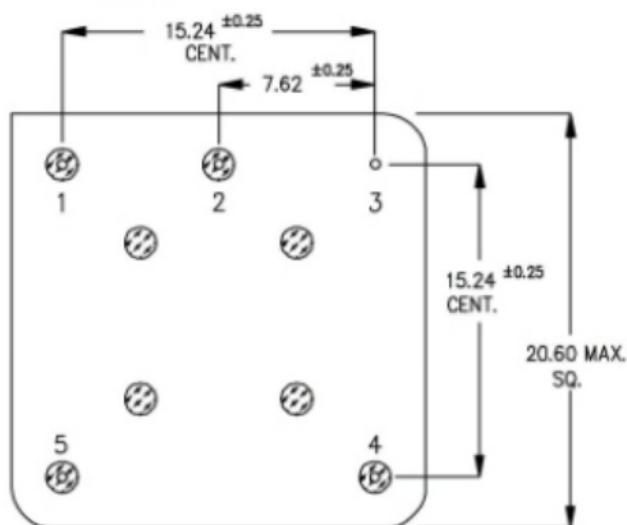
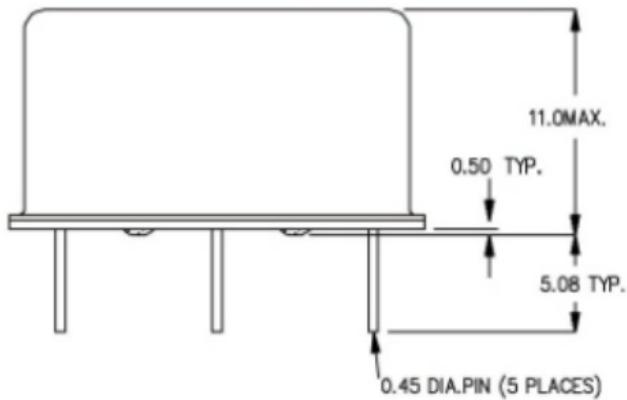
Technical Specifications

Items	Specification	Conditions
Part Number	LT-CR-OC-50M-2020	
Frequency Range	50M,5MHz~125MHz	
Operating Voltage(VDD)	3.3~15V	

Setup Power Consumption	$\leq 5\text{W}$	
Operating Temperature	-55 ~ 85	
Frequency Stability vs. Temperature	$\leq \pm 10\text{ppb}$	Relative to the frequency at 25
Frequency Tolerance	$\leq \pm 0.2\text{ppm}$	@25 ± 1
Output Waveform	C : CMOS, S : Sine wave	
Output Impedance	50ohms	
Output Power	7~13dBm	
Control Voltage(VC)	0V~VREF	
Voltage Frequency Range	$\geq \pm 0.5\text{ppm}$	
Voltage Slope	Positive	
Voltage Linearity	$\leq 10\%$	
Input Impedance	$\geq 100\text{k}\Omega$	
Phase Noise (typ.)	-110dBc/Hz@10Hz; -140dBc/Hz@100Hz; -165dBc/Hz@1kHz; -170dBc/Hz@10kHz; -175dBc/Hz@100kHz	Typical Frequency:100MHz
Dimension	20×20×11mm	

Note: for custom specs, please contact us directly.

Outline Drawing



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