

## Aluminum High Precision Low Phase Noise 50MHz to 120MHz 20.2mm\*12.6mm Oven Controlled Crystal Oscillator OCXO

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-OC-BO1220H
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



### Product Specification

- Features: Low Phase Noise
- Product Name: Oven Controlled Crystal Oscillator (OCXO)
- Application: Satellite Communications, Base Stations, Measuring Instruments, Etc
- Material: Aluminum
- Temperature: -55~85°C
- Frequency Range: 50MHz~120MHz
- Voltage: 5V/12V
- Color: Silver
- Highlight: **High Precision OCXO, 120MHz OCXO, 50MHz OCXO**

## Product Description

### 50MHz~120MHz 20.2mm\*12.6mm, High Stability, Wide Temperature Range OCXO

#### Quick Detail:

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

#### Description:

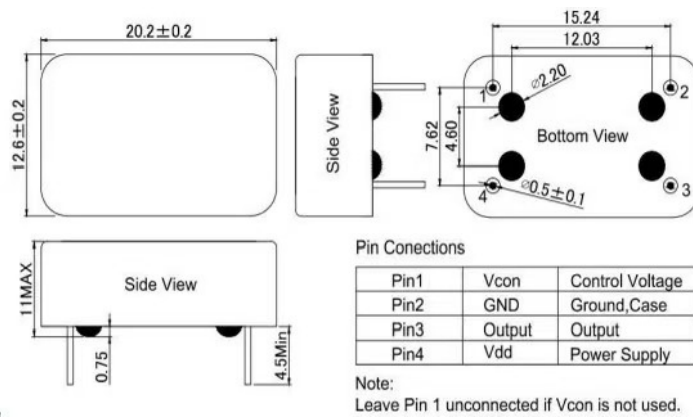
The LT-CR-BO1220H is the newest addition to ZR's line of OCXOs. We provide sinewave or CMOS output waveforms with a phase noise of -85 dBc/100MHz (at 10 Hz offset) and have a frequency stability of  $\pm 500$  ppb (vs. temperature). These OCXOs are fabricated using an SC-cut crystal that offers high stability and low aging. They are available in surface-mount packages that measure 20.2 x 12.6 x 11.0 mm. These OCXOs are ideal for satellite communications, base stations, measuring instruments, etc...

#### Specifications:

##### Electrical / Optical Characteristics (Ta=25°C $\pm$ 3°C)

| Items                                               | Specification                                                                                  | Conditions                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------|
| Part Number                                         | LT-CR-BO1220H                                                                                  |                                     |
| Frequency Range                                     | 50MHz~120MHz                                                                                   |                                     |
| Operating Voltage(VCC)                              | 5V/12V                                                                                         |                                     |
| Setup Power Consumption                             | $\leq 3.0$ W                                                                                   |                                     |
| Operating Temperature                               | -55°C~85°C                                                                                     |                                     |
| Frequency Stability vs. Temperature                 | $\leq \pm 500$ ppb                                                                             | -55°C~+85°C                         |
| Frequency Tolerance                                 | $\leq \pm 300$ ppm                                                                             | At shipment, nominal EFC, +25°C     |
| Output Waveform                                     | Sine Wave, LVCMOS                                                                              |                                     |
| Output Impedance                                    | 50 Ohms                                                                                        |                                     |
| Output Power                                        | -                                                                                              |                                     |
| Control Voltage(VC)                                 | 0V~5V                                                                                          |                                     |
| Voltaged Frequency Range                            | -                                                                                              |                                     |
| Voltaged Slope                                      | -                                                                                              |                                     |
| Voltaged Linearity                                  | -                                                                                              |                                     |
| Input Impedance                                     | -                                                                                              |                                     |
| Phase Noise (typ.)                                  | -85dBc/Hz@10Hz<br>-115dBc/Hz@100Hz<br>-145dBc/Hz@1kHz<br>-155dBc/Hz@10kHz<br>-155dBc/Hz@100kHz | Typical Frequency:10MHz<br>At +25°C |
| Dimension                                           | 20.2 x 12.6 x 11.0mm                                                                           |                                     |
| Note: for custom specs, please contact us directly. |                                                                                                |                                     |

#### Outline Drawing (Unit: mm):



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