

## 10MHz to 50MHz 5.2X3.4mm TCXO High Stable Analog Circuit Low Phase Noise 3.3V Voltage Aluminum

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT0503E
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



### Product Specification

- Features: Three-stage Bell Temperature Crystal Oscillator, Optional Three-state Control Function, High Precision, Low Phase Noise, There Are Anti-overload Products For Choice, Anti-overload > 30000g
- Product Name: LT-CR Series Temperature-compensated Crystal Oscillator
- Application: Satellite Communication, Military Communication Equipment, Base Station, Test And Measurement Equipment
- Material: Aluminum
- Temperature: -55°C ~ +95°C
- Frequency Range: 10MHz~50MHz
- Voltage: 3.3V
- Color: Silver
- Highlight: **3.3V Voltage TCXO, 5.2X3.4mm TCXO, Aluminum TCXO**

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## Product Description

### 10MHz to 50MHz 5.2X3.4mm, Analog Circuit, High Stable, Low Phase Noise TCXO

#### Quick Detail:

- Aluminum housing
- 3.3/5V VDD options
- -55°C~95°C operating temperature
- Small package
- High precision
- Low phase noise
- Optional three-state control function
- CE, RoHS, REACH compliant
- 1 Year Warranty

#### Description:

The LT-CR-BT0503E is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of  $\pm 0.5$ ppm to  $\pm 1.5$ ppm over -55°C to +95°C across a supply voltage range of 3.3V/5V. The LT-CR-BT0503E uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 5.2 mm x 3.4 mm x 2.0 mm ceramic package and options for 1,000- or 3,000-piece reels make these components ideal for satellite communication, military communication equipment, base station, test and measurement equipment.

#### Specifications:

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

Items	Specification	Conditions
Part Number	LT-CR-BT0503E	
Frequency Range	10MHz~50MHz	
Operating Voltage	3.3V / 5V	
Operating current	2.5~15mA	
Working temperature range	-55°C~+95°C	
Frequency Stability vs. Temperature	$\pm 0.28$ ppm ~ $\pm 1.0$ ppm	-40°C~+85°C
Initial accuracy of reference temperature	$\pm 0.5$ ppm	At shipment, nominal EFC, +25°C
Output Waveform	Sine	
Output Load	10K $\Omega$ /10pF	
Output power	/	
Harmonic wave	/	
Stray	/	
Phase noise(typical)	<-95dBc@10MHz <-120dBc@100MHz <-140dBc@1kHz <-145dBc@10kHz <-150dBc@100kHz	
Acceleration sensitivity	/	
Dimension	5.0×3.2×1.2mm	
<b>Note: For specifications beyond the above table, please contact us for customization.</b>		

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



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