

10MHz to 52MHz 5.0X3.2mm Analog Circuit High Stable Low Phase Noise TCXO

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT0503A
- 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: $\pm 0.05\text{ppm} \sim \pm 0.5\text{ppm}$
- Frequency Range: 10MHz~52MHz
- Voltage: -0.5V/6V
- Color: Silver
- Highlight: **High Stable TCXO, 5.0X3.2mm TCXO, Low Phase Noise TCXO**

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Product Description

10MHz to 52MHz 5.0X3.2mm, Analog Circuit, High Stable, Low Phase Noise TCXO

Quick Detail:

- Aluminum housing
- -0.5/6V VDD options
- -40°C~85°C operating temperature
- Small package
- High precision
- Low phase noise
- Optional three-state control function
- Anti-overload > 30000g
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

The LT-CR-BT0503A is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of $\pm 0.05\text{ppm}$ to $\pm 0.5\text{ppm}$ over -40°C to +85°C across a supply voltage range of -0.5V/6V. The bt0503a uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 5.0 mm x 3.2 mm x 1.2 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.

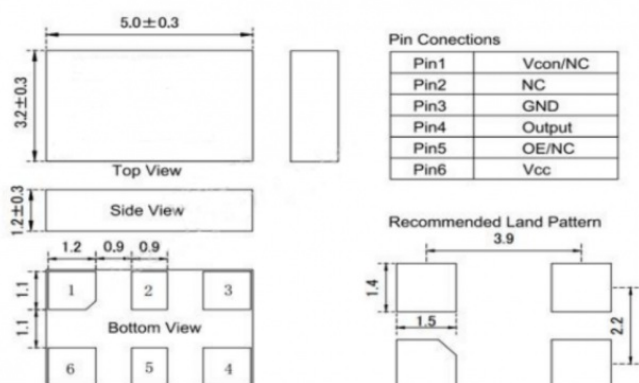
Specifications:

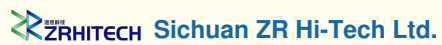
Electrical / Optical Characteristics (Ta=25°C±3°C)

Items	Specification	Conditions
Part Number	LT-CR-BT0503A	
Frequency Range	10MHz~52MHz	
Operating Voltage	-0.5V / 6V	
Operating current	/	
Working temperature range	-40°C~+85°C	
Frequency Stability vs. Temperature	$\pm 0.05\text{ppm}$ ~ $\pm 0.5\text{ppm}$	-40°C~+85°C
Initial accuracy of reference temperature	$\pm 0.5\text{ppm}$	At shipment, nominal EFC, +25°C
Output Waveform	HCMOS	
Output Load	50Ω	
Output power	/	
Harmonic wave	/	
Stray	/	
Phase noise(typical)	<-150dBc@10MHz <-145dBc@16MHz~40MHz <-140dBc@50MHz	
Acceleration sensitivity	/	
Dimension	5.0×3.2×1.2mm	

Note: For specifications beyond the above table, please contact us for customization.

Outline Drawing (Unit: mm):





13541202623



info@zrhitech.com



zrhitech.com

No.1411, Zhuye Building, 100 Xingping Road, Jinniu District, Chengdu, Sichuan Province, CHINA