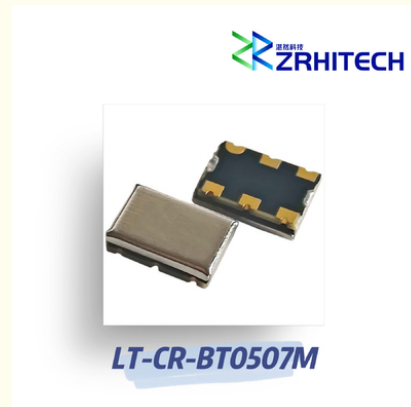


## High Frequency Range Ultra Low Phase Noise TCXO 80MHz-125MHz 7.0×5.0mm for Test and Measurement Equipment

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT0507M
- 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:  $\pm 0.28\text{ppm} \sim \pm 2.0\text{ppm}$
- Frequency Range: 80MHz~125MHz
- Voltage: -0.5V/6V
- Color: Silver
- Highlight: **Ultra Low Phase Noise TCXO, 7.0×5.0mm TCXO Oscillators, 80MHz TCXO Oscillators**

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## Product Description

### 80~125MHz 7.0×5.0mm,High Frequency Range, Ultra Low Phase Noise TCXO

#### Quick Detail:

- Aluminum housing
- -0.5/6V VDD options
- -55°C~95°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:

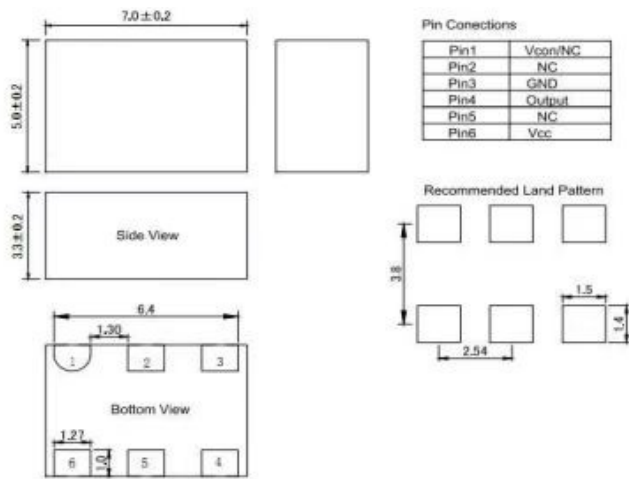
The LT-CR-BT0507M is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of  $\pm 0.28\text{ppm}$  to  $\pm 2.0\text{ppm}$  over -55°C to +95°C across a supply voltage range of -0.5V/6.0V. The bt0507m uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 7.0 mm x 5.0 mm x3.3 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	Condition
Part Number	LT-CR-BT0507M	
Frequency Range	80MHz~125MHz	
Operating Voltage(VDD)	-0.5V/6.0V	
Operating Temperature	-55°C~+95°C	
Freq. Stability Vs. Temp.	$\pm 0.28\text{ppm}$ ~ $\pm 2.0\text{ppm}$	-40°C~+85°C
Frequency Tolerance	$\pm 0.5\text{ppm}$ ~ $\pm 2.0\text{ppm}$	At shipment, nominal EFC, +25°C
Output Waveform	LVC MOS	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	-85dBc@10Hz	At +25°C
	-120dBc@100Hz	
	-142dBc@1kHz	
	-165dBc@100kHz	
Overload Resistance		
Dimension	7.0 mm x 5.0 mm x3.3 mm	

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



 **ZRHTECH** Sichuan ZR Hi-Tech Ltd.



13541202623



info@zrhitech.com



zrhitech.com

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