

7.0X5.0mm Metal Back Industrial Temperature TCXO 10-50 MHz for Satellite Communication

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT0507CD
- 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: $\pm 0.5\text{ppm} \sim \pm 1.0\text{ppm}$
- Frequency Range: 10MHz~50MHz
- Voltage: -0.5/6V
- Color: Silver
- Highlight: **7.0X5.0mm TCXO, Satellite Communication TCXO Oscillators, Industrial Temperature TCXO**

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Product Description

10~50MHz 7.0X5.0mm,Metal Back, Industrial Temperature 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:

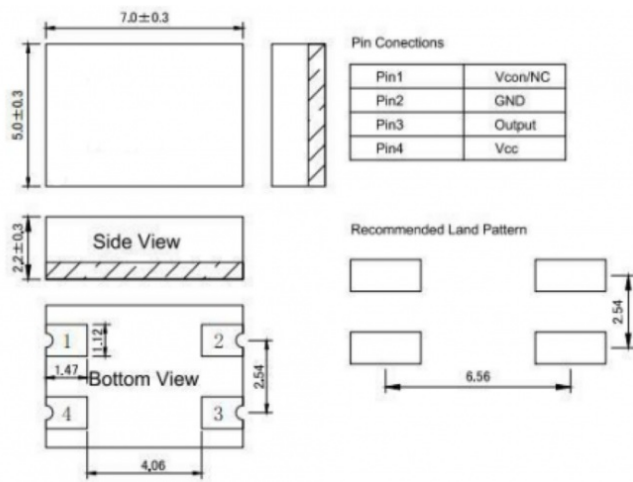
The LT-CR-BT0507CD is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of $\pm 0.5\text{ppm}$ to $\pm 1.0\text{ppm}$ over -40°C to +85°C across a supply voltage range of -0.5V /6V. The bt0507c-d uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 7.0 mm x 5.0 mm 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	Condition
Part Number	LT-CR-BT0507CD	
Frequency Range	10MHz~50MHz	
Operating Voltage(VDD)	-0.5/6V	
Operating Temperature	-40°C~+85°C	
Freq. Stability Vs. Temp.	$\pm 0.5\text{ppm} \sim \pm 1.0\text{ppm}$	-20°C~+70°C
	$\pm 0.5\text{ppm} \sim \pm 1.0\text{ppm}$	-40°C~+85°C
Frequency Tolerance	$\pm 0.5\text{ppm} \sim \pm 1.0\text{ppm}$	At shipment, nominal EFC, +25°C
Output Waveform	CMOS, Clipped Sine wave	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	<-140dBc@10MHz	@1KHz
	<-135dBc@10MHz@12.8MHz~20MHz	
	<-130dBc@10MHz@12.8MHz~20MHz @20.48MHz~38.4MHz	
	<-125dBc@10MHz@12.8MHz~20MHz @20.48MHz~38.4MHz@≥40MHz	
Overload Resistance		
Dimension	7.0×5.0×2.0mm	

Outline Drawing (Unit: mm):



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