# 156.25 MHz High Precision Low Phase Noise TCXO 9.2×14.2mm for Satellite Communication Needs

## **Basic Information**

Place of Origin: CHINA
 Brand Name: ZR Hi-Tech
 Model Number: LT-CR-BT0914AZ

Minimum Order Quantity:

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: ±0.28ppm ~±2.0ppm
 Frequency Range: 50MHz~156.25MHz

Voltage: 3.3V/5VColor: Silver

• Highlight: 156.25 MHz TCXO Oscillators,

Satellite Communication TCXO, Low Phase Noise TCXO

## **Product Description**

#### 50~156.25MHz 9.2×14.2mm, High Precision &Low Phase noise TCXO

#### **Quick Detail:**

- · Aluminum housing
- · 3.3V / 5V VCC options
- -50°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:

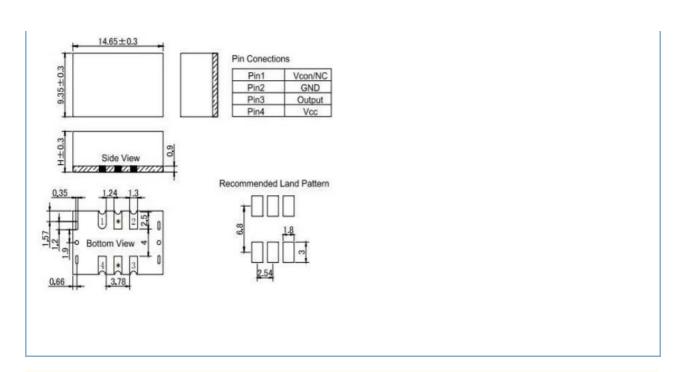
The LT-CR-BT0914AZ is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of ±0.28ppm to ±2.0ppm over -50°C to +85°C across a supply voltage range of 3.3V/5.0V. The bt0914a-z uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 14.65 mm x 9.35 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-BT0914AZ	
Frequency Range	50MHz~156.25MHz	
Operating Voltage(VCC)	3.3V / 5V	
Operating Temperature	-50°C~+85°C	
Freq. Stability Vs. Temp.	±0.28ppm ~±2.0ppm	- 40°C~+85°C@Height above 6mm
Frequency Tolerance	±0.5ppm~±1.0ppm	At shipment, nominal EFC, +25°C
Output Waveform	Sine Wave	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	<-145dBc@50~100MHz	@1kHz
	<- 140dBc@50~100MHz@102.4~12 2.88MHz	
	<- 135dBc@50~100MHz@102.4~12 2.88MHz@125~156.25MHz	
	<- 130dBc@50~100MHz@102.4~12 2.88M Hz@125~156.25MHz	
Overload Resistance		
Dimension	14.65 mm x 9.35 mm	

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





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