

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

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT0914AZ
- 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: 50MHz~156.25MHz
- Voltage: 3.3V/5V
- Color: Silver
- Highlight: **156.25 MHz TCXO Oscillators, Satellite Communication TCXO, Low Phase Noise TCXO**

for more products please visit us on zrhitech.com

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 $\pm 0.28\text{ppm}$ to $\pm 2.0\text{ppm}$ 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.	$\pm 0.28\text{ppm}$ ~ $\pm 2.0\text{ppm}$	-40°C~+85°C@Height above 6mm
Frequency Tolerance	$\pm 0.5\text{ppm}$ ~ $\pm 1.0\text{ppm}$	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@102.4~122.88MHz	
	<-135dBc@50~100MHz@102.4~122.88MHz@125~156.25MHz	
	<-130dBc@50~100MHz@102.4~122.88MHz@125~156.25MHz	
Overload Resistance		
Dimension	14.65 mm x 9.35 mm	

Outline Drawing (Unit: mm):

