

10MHz-125MHz Ultra Wide Operating Temp Low Phase Noise TCXO 12.6*20.2mm

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT1220
- 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: $\pm 0.1\text{ppm} \sim \pm 2.0\text{ppm}$
- Frequency Range: 10MHz~125MHz
- Voltage: -0.5/6V
- Color: Silver
- Highlight: **125MHz TCXO Oscillators,
Low Phase Noise TCXO,
12.6*20.2mm TCXO Oscillators**

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Product Description

10~125MHz 12.6*20.2mm, Ultra Wide Operating Temp, 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:

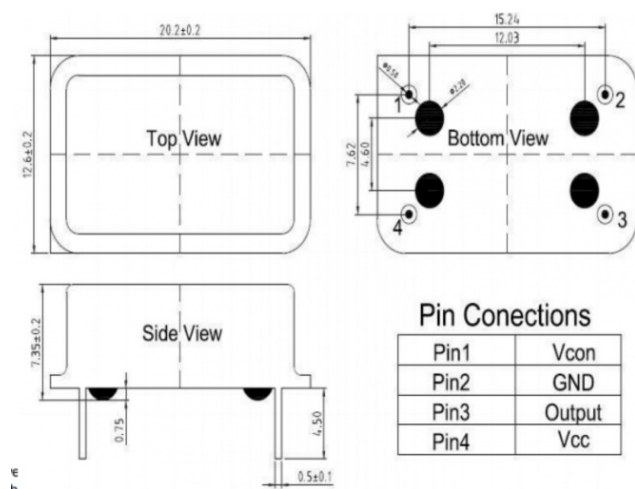
The LT-CR-BT1220 is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of $\pm 0.1\text{ppm}$ to $\pm 2.0\text{ppm}$ over -55°C to +95°C across a supply voltage range of -0.5V/6.0V. The bt1220 uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 20.2 mm x 12.6 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	Bt1220	
Frequency Range	10MHz~125MHz	
Operating Voltage(VDD)	-0.5V / 6V	
Operating Temperature	-55°C~+95°C	
Freq. Stability Vs. Temp.	$\pm 0.1\text{ppm}$ ~ $\pm 2.0\text{ppm}$	-40°C~+85°C
Frequency Tolerance	$\pm 0.3\text{ppm}$ ~ $\pm 1.0\text{ppm}$	At shipment, nominal EFC, +25°C
Output Waveform	CMOS, Sine wave	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	<-150dBc@10MHz-20MHz	@1KHz
	<-145dBc@10MHz-100MHz	
	<-140dBc@10MHz-100MHz@>100MHz	
	<-135dBc@10MHz-100MHz@>100MHz	
Overload Resistance		
Dimension	20.2 mm x 12.6 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