

10MHz-50MHz Tcxo Crystal Oscillator Satellite Communication

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-TC-30M-5032
- 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: $\pm 0.1\text{ppm}@-40\sim 85^{\circ}\text{C}$, $\pm 0.2\text{ppm}@-40\sim 105^{\circ}\text{C}$
- Frequency Range: 10MHz~50MHz
- Voltage: 1.5V $\pm$ 1.0V Or 1.65V $\pm$ 1.0V
- Color: Silver
- Highlight: tcxo crystal oscillator, crystal oscillator Satellite, 50MHz tcxo oscillator

Product Description

10MHz~50MHz LT-CR series temperature-compensated voltage controlled crystal oscillator

Quick Detail:

- · Aluminum Housing
- · 2.8 to 3.3V VDD options
- · -40°C~105°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:

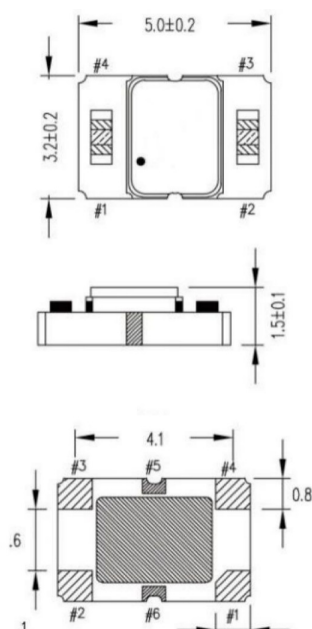
The LT-CR-TC-30M-5032 is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of ± 0.2 ppm over -40°C to +105°C across a supply voltage range of 2.8V to 3.3V. The LT-CR uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 5.0 mm x 3.2 mm x 1.5 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 $\pm$ 3°C)

Items	specification	Condition
Part Number	LT-CR-TC-30M-5032	
Frequency Range	30M, 10MHz~50MHz	
Operating Voltage(VDD)	2.8~3.3V	
Operating Temperature	-40°C~105°C	
Frequency Stability vs. Temperature	± 0.1 ppm@-40~85°C, ± 0.2 ppm@-40~105°C	Frequency relative to @25°C
Frequency Tolerance	± 2 ppm	@25°C ± 1 °C
Output Waveform	C:CMOS X:Clipped Sine Wave	
Voltage-controlled voltage	1.5V ± 1.0 V or 1.65V ± 1.0 V	
Absolute Pull Range	$\leq \pm 10$ ppm	
Phase Noise	-150dBc/Hz@1kHz	20M typical
Overload Resistance	30000g	
Dimension	5.0 $\times$ 3.2 $\times$ 1.5mm	

Outline Drawing (Unit: mm):





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