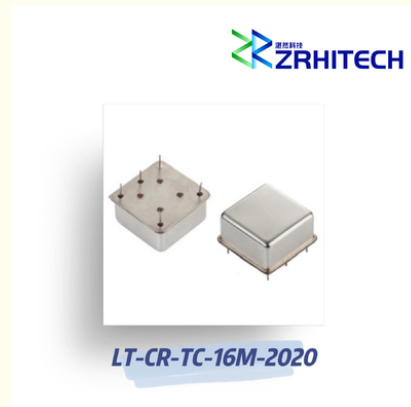


10MHz-150MHz TCXO Oscillator 16MHz Small Package High Precision Satellite

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-TC-16M-2020
- 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 Voltage Controlled Crystal Oscillator
- Application: Satellite Communication, Military Communication Equipment, Base Station, Test And Measurement Equipment
- Material: Aluminum
- Temperature: $\pm 0.3\text{ppm} \sim \pm 2\text{ppm}$
- Frequency Range: 10MHz~150MHz
- Voltage: 3.3V~ 5V Option
- Color: Silver
- Highlight: **tcxo oscillator 16mhz, 150MHz TCXO oscillator, 10MHz TCXO oscillator**

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Product Description

10MHz~150MHz LT-CR series temperature-compensated voltage controlled crystal oscillator

Quick Detail:

- Aluminum housing
- 3.3V~ 5V VDD options
- -55°C~85°C operating temperature
- Small package
- High precision
- Low phase noise
- Optional three-state control function
- Suprious $\leq -90\text{dBm}$
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

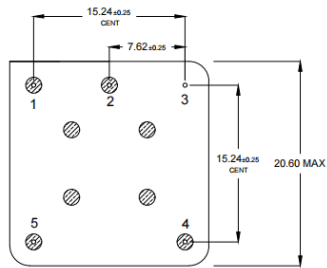
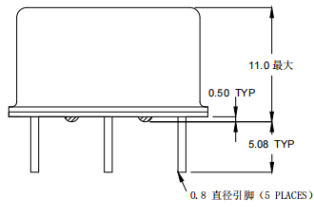
The LT-CR-TC-16M-2020 is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of $\pm 0.3\text{ppm} \sim \pm 2\text{ppm}$ over -55°C to $+85^{\circ}\text{C}$ across a supply voltage range of 3.3V~ 5V. The LT-CR uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 20 mm x 20 mm x 10.5 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 $\pm 3^{\circ}\text{C}$)

Items	specification	Condition
Part Number	LT-CR-TC-16M-2020	
Frequency Range	16M, 10MHz~150MHz	
Operating Voltage(VDD)	3.3V~ 5V	
Operating Temperature	-55°C~85°C	
Frequency Stability vs. Temperature	$\pm 0.3\text{ppm} \sim \pm 2\text{ppm}$	Relative to frequency @25°C
Frequency Tolerance	$\leq \pm 1\text{ppm}$	@25°C $\pm 1^{\circ}\text{C}$
Output Waveform	C:CMOS X:Clipped Sine Wave	
Output Load	50 Ω ;	
Harmonic	$\leq -30\text{dBc}$	
Suprious	$\leq -90\text{dBc}$	
Output Power	8dBm~10dBm	
Phase Noise	-145dBc/Hz@1kHz	100MHz typical
	-155dBc/Hz@10kHz	
	-155dBc/Hz@100kHz	
Dimension	20 $\times$ 20 $\times$ 10.5mm	

Outline Drawing (Unit: mm):



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