

10MHz-60MHz 12.8 Mhz 20 Mhz 24mhz Tcxo Stability Oscillator

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-TC-20M-1409
- 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: $\pm 0.3\text{ppm} \sim \pm 2\text{ppm}$
- Frequency Range: 10MHz~60MHz
- Voltage: 3.3~5.5V
- Color: Silver
- Highlight: 24mhz tcxo, 20 mhz tcxo, 12.8 mhz tcxo

Product Description

10MHz~60MHz LT-CR series temperature-compensated voltage controlled crystal oscillator

Quick Detail:

- Aluminum Housing
- National production design
- -55°C~85°C operating temperature
- Small Package
- High Precision
- Low Phase Noise
- Optional three-state control function
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

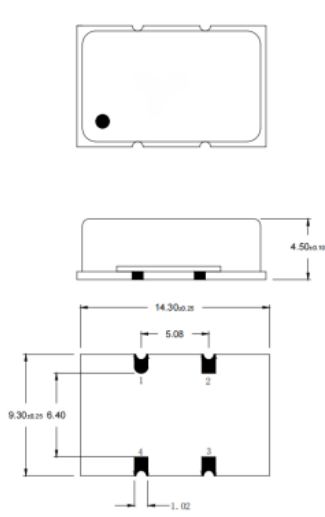
The LT-CR-TC-20M-1409 is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of ± 0.3 ppm to ± 2 ppm over -55°C to +85°C across a supply voltage range of 3.3V to 5V. The LT-CR uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 14.3 $\times$ 9.3 $\times$ 4.5 mm package make these components ideal for the bomb-loaded and arrow-loaded environment.

Specifications:

Electrical / Optical Characteristics (Ta=25°C $\pm$ 3°C)

Items	Specification	Conditions
Part Number	LT-CR-TC-20M-1409	
Frequency Range	20M,10MHz~60MHz	
Operating voltage	3.3V~5V	
Operating current	≤60mA	
Working temperature range	-55℃~85℃	
Frequency Stability vs. Temperature	±0.3ppm~±2ppm	Frequency relative to 25℃
Initial accuracy of reference temperature	≤±1ppm	@25℃±5℃
Output Waveform	CMOS	
Output Load	50Ω;	
Output power	8dBm~10dBm	
Harmonic wave	≤-30dBc	
Stray	≤-75dBc	
Voltage-controlled voltage range(VC)	0V~5V or 0V~3.3V	
Voltage-controlled frequency range	≥±5ppm	
Voltage-controlled slope	positive	
Voltage-controlled linearity	≤10%	
Phase noise(typical)	-145dBc/Hz@1kHz - 155dBc/Hz@10kHz - 155dBc/Hz@100kHz	Typical frequency:50MHz
Acceleration sensitivity	0.05ppb/g(customizable)	20Hz~2KHz 18g
Dimension	14.3×9.3×4.5mm	
Note: For specifications beyond the above table, please contact us for customization.		

Outline Drawing (Unit: mm):



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