

Hcmos Oscillator 40MHz-130MHz LT-CR Vcxo Oscillator High Refresh Rate Frequency

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-VC-50M-1409
- Minimum Order Quantity: 1
- Packaging Details: carton packing
- Delivery Time: 4 weeks
- Payment Terms: T/T



Product Specification

- Features: Low Phase Noise
- Product Name: LT-CR Series Voltage Controlled Crystal Oscillator
- Application: Telecommunications, Mobile Phones, Global Positioning System (GPS) And Other Electronic Systems
- Material: Aluminum
- Temperature: -40~85°C
- Frequency Range: 40MHz~130MHz
- Voltage: 1.65V±1.65V
- Color: Silver
- Highlight: **hcmos oscillator, oscillator 40MHz, vcxo oscillator**

Product Description

40MHz~130MHz LT-CR series voltage controlled crystal oscillator

Quick Detail:

- Aluminum housing
- 3.3V $\pm$ 5% Operating Voltage (VDD)
- -40°C~+85°C operating temperature
- SMD package
- High precision
- Low phase noise
- HCMOS Output Waveform
- CE, RoHS, REACH compliant
- 1 Year Warranty

Description:

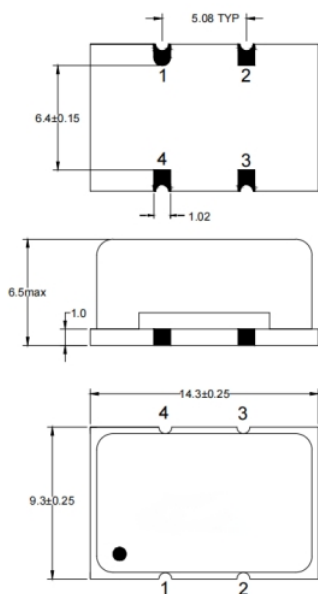
The LT-CR-VC-50M-1409 is the newest addition to ZR's line of VCXOs. The standard part offers an ultra-tight stability of ± 25 ppm over -40°C to +85°C across a supply voltage 3.3V $\pm$ 5%. The LT-CR uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 14.3 mm x 9.3 mm x 6.5 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	Conditions
Part Number	LT-CR-VC-50M-1409	
Frequency Range	50M, 40MHz~130MHz	
Operating Voltage(VDD)	3.3V $\pm$ 5%	
Operating Current	≤ 25 mA	
Operating Temperature	-40°C~85°C	
Frequency Stability vs. Temperature	$\leq \pm 25$ ppm	Relative to the frequency at 25°C
Frequency Tolerance	$\leq \pm 5$ ppm	@25°C ± 1 °C, VC=1.65V
Output Waveform	CMOS	
Output Load	15pF	
Output logic Level	High Level: ≥ 2.97 V Low Level: ≤ 0.33 V	
Rise/Fall Time	≤ 3 ns	@20%-80%
Duty Cycle (%)	45%~55%	
Voltaged Voltage Range(VC)		
Voltaged Frequency Range	$\geq \pm 30$ ppm	
Voltaged Slope	Positive	
Voltaged Linearity	≤ 10 %	
Input Impedance	≥ 100 k Ω	
Phase Noise (typ.)	-140dBc/Hz @1kHz -150dBc/Hz @10kHz -160dBc/Hz @100kHz	Typical Frequency:100MHz
Dimension	14 $\times$ 9 series(4pad)	
Note: for custom specs, please contact us directly.		

Outline Drawing (Unit: mm):



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