

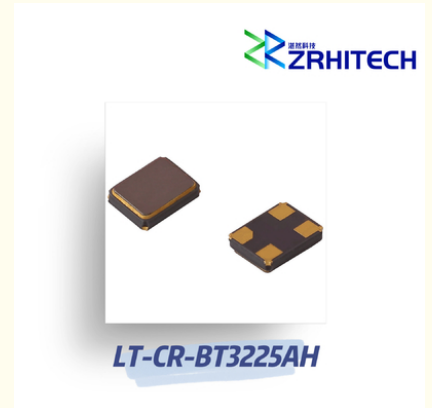
## 20~60MHz 3.2×2.5mm , Ultra Stable Stratum III Level TCXO

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: ZR Hi-Tech
- Model Number: LT-CR-BT3225AH
- 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: -40°C~+105°C
- Frequency Range: 23.768KHz
- Voltage: -0.5/6V
- Color: Silver
- Highlight: **Ultra Stable TCXO , Stratum III Level TCXO , 3.2×2.5mm TCXO**

## Product Description

### 20~60MHz 3.2×2.5mm, Ultra Stable, Stratum III Level TCXO

#### Quick Detail:

- Aluminum housing
- 1.8 to 5V VDD options
- -40°C~85°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:

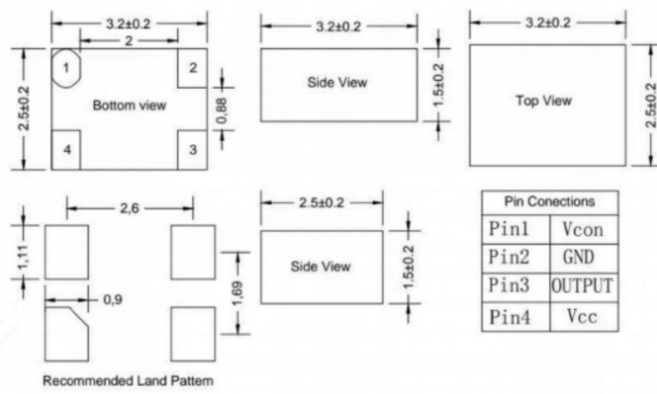
The LT-CR-BT3225AH is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of  $\pm 0.28\text{ppm}$  to  $\pm 1.0\text{ppm}$  over -40°C to +105°C across a supply voltage range of -0.5V/6.0V. The bt3225ah uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 3.2 mm x 2.5 mm x 1.5mm 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	Bt3225ah	
Frequency Range	20MHz~60MHz	
Operating Voltage(VDD)	-0.5V / 6V	
Operating Temperature	-40°C~+105°C	
Freq. Stability Vs. Temp.	$\pm 0.28\text{ppm} \sim \pm 1.0\text{ppm}$	-40°C~+105°C(Temperature compensation after pre aging)
Frequency Tolerance	$\pm 0.5\text{ppm} \sim \pm 1.0\text{ppm}$	Connect to 1.6V center voltage, +25°C
Output Waveform	LVC MOS	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	-95dBc@10Hz	At +25°C
	-120dBc@100Hz	
	-140dBc@1kHz	
	-150dBc@10kHz	
	-155dBc@100kHz	
Overload Resistance		

#### Outline Drawing (Unit: mm):



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