

# TCXO

## 10~125MHz 9.35\*14.65mm, Ultra Stable, Low Phase Noise TCXO

### Quick Detail:

- Aluminum housing
- 3.3/5V VCC options
- -50°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-BT0914A is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of  $\pm 0.2\text{ppm}$  to  $\pm 2.0\text{ppm}$  over -50°C to +85°C across a supply voltage range of 3.3V/5.0V. The bt0914a uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 9.35 mm x 14.65 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±3°C)

Items	specification	Condition
Part Number	LT-CR-BT0914A	
Frequency Range	10MHz~125MHz	
Operating Voltage(VCC)	3.3V/5.0V	
Operating Temperature	-55°C~+95°C	
Freq. Stability Vs. Temp.	$\pm 0.2\text{ppm}$ ~ $\pm 2.0\text{ppm}$	-20°C~+70°C *Height $\geq 4\text{mm}$
Frequency Tolerance	$\pm 0.3\text{ppm}$ ~ $\pm 1.0\text{ppm}$	At shipment, nominal EFC, +25°C

Output Waveform	CMOS,Sine wave	
Voltage-controlled voltage	1.5V±1.0V	
Absolute Pull Range		
Phase Noise	<-150dBc@10MHz-20MHz	@1KHz
	<-145dBc@10MHz-100MHz	
	<-140dBc@10MHz-100MHz@>100MHz	
	<-135dBc@10MHz-100MHz@>100MHz	
Overload Resistance		
Dimension	9.35*14.65mm	

**Outline Drawing (Unit: mm):**

