

TCXO

50~156.25MHz 25×25mm, Vibration Insensitive, High Precision &Low Phase noise TCXO

Quick Detail:

- Aluminum housing
- 3.3/5V VDD 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-BT2020AV(anti-vibration) is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of $\pm 0.5\text{ppm}$ to $\pm 2.0\text{ppm}$ over -50°C to +85°C across a supply voltage range of 3.3V / 5.0V. The LT-CR-bt2020a(anti-vibration) uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 25.1 mm x 25.1 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-BT2525AV | |
| Frequency Range | 50MHz~156.25MHz | |
| Operating Voltage(VDD) | 3.3V / 5V | |
| Operating Temperature | -50°C~+85°C | |
| Freq. Stability Vs. Temp. | $\pm 0.5\text{ppm}$ ~ $\pm 2.0\text{ppm}$ | -50°C~+85°C |

| | | |
|----------------------------|---|--|
| Frequency Tolerance | $\pm 1.5\text{ppm} \sim \pm 1.5\text{ppm}$ | At shipment, nominal EFC, $+25^{\circ}\text{C}$ |
| Output Waveform | Sine Wave, LVCMOS | |
| Voltage-controlled voltage | $1.5\text{V} \pm 1.0\text{V}$ | |
| Absolute Pull Range | | |
| Phase Noise | $< -140\text{dBc}@1\text{kHz}$ $< -155\text{dBc}@10\text{kHz}$ $< -158\text{dBc}@100\text{kHz}$ | @100MHz At $+25^{\circ}\text{C}$ (static phase noise) |
| Overload Resistance | | |
| Dimension | 25.1mm x 25.1mm | |

Outline Drawing (Unit: mm):

