

TCXO

50~156.25MHz 12.6X20.2mm, Analog Circuit, High Stable, Low Phase Noise TCXO

Quick Detail:

- Aluminum housing
- 3.3/5V VCC 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-BT1220BM 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 $\pm 3.0\text{ppm}$ over -40°C to +85°C across a supply voltage range of 3.3V/5V. The LT-CR-bt1220b(M) uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 20.2 mm x 12.6 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-BT1220BM | |
| Frequency Range | 50MHz~156.25MHz | |
| Operating Voltage(VCC) | 3.3/5V | |
| Operating Temperature | -40°C~+85°C | |
| Freq. Stability Vs. Temp. | $\pm 0.5\text{ppm}$ to $\pm 3.0\text{ppm}$ | -40°C~+85°C |
| Frequency Tolerance | $\pm 0.5\text{ppm}$ | At shipment, nominal EFC, +25°C |
| Output Waveform | sine wave | |

| | | |
|----------------------------|--|---------------------|
| Voltage-controlled voltage | 1.5V±1.5V | |
| Absolute Pull Range | ±5~±12ppm | |
| Phase Noise | <-70dBc@10Hz <-110dBc@100Hz <-140dBc@1kHz <-155dBc@10kHz <-158dBc@100kHz | @100MHz At +25°C |
| Overload Resistance | | |
| Dimension | 20.2 mm x 12.6 mm | |

Outline Drawing (Unit: mm):

