TCXO(温补晶振）

10MHz~50MHz LT-CR series temperature-compensated voltage controlled crystal oscillator

Quick Detail:

· three-level bell temperature complement crystal oscillator, optional three-state control function, high precision, low phase noise

· The temperature characteristics can reach±0.1ppm@-40~85℃，±0.2ppm@-40~105℃

· there are anti-vibration series products with low acceleration sensitivity ≤0.3ppb/g

· suitable for satellite communications, military communication equipment, base stations, test and measurement equipment and other fields.

Description:

The LT-CR is the newest addition to ZR's line of TCXOs. The standard part offers an ultra-tight stability of ±0.1ppm@-40~85℃，±0.2ppm@-40~105℃ across a supply voltage range of 2.8V to 5V. The LT-CR uses a high refresh rate, or frequency calibration rate, to maintain a linear frequency output during temperature compensation. The 7.0×5.0×1.9 mm package make these components ideal for the satellite communications, military communication equipment, base stations, test and measurement equipment and other fields.

Specifications:

Electrical / Optical Characteristics (Ta=25℃±3℃)

Items	Specification	Conditions
Part Number	LT-CR-TC-20M-7050	
Frequency Range	20M.10MHz~50MHz	
Operating voltage	2.8V~ ﹢5V	
Working temperature range	-40℃~105℃	
Frequency Stability vs. Temperature	±0.1ppm@-40~85℃， ±0.2ppm@-40~105℃	Frequency relative to 25℃
Initial accuracy of	±2ppm	@25℃±1℃

reference temperature		
Output Waveform	C：CMOS　X：cut peak sine wave	
Static phase noise	-150dBc/Hz@1kHz	Typical value of 20M products
Vibration phase noise	-115dBc/Hz@1kHz	Typical value of 20M products GJB360B-2009 method 214I-B
Dimension	7.0×5.0×1.9mm	
Note: For specifications beyond the above table, please contact us for customization.		

Outline Drawing (Unit: mm):