

OCXO(恒温晶振)

5MHz~40MHz LT-CR Series Oven Controlled Crystal Oscillator

Quick Detail:

- temperature characteristics as low as $\pm 3\text{ppb}$, patch type, high stability output
- suitable for satellite communication, military communication equipment, base station, timing board, measuring instrument, digital exchange system, etc

Description:

The LT-CR-OC-20M-3627 is the newest addition to ZR's line of OCXOs. We provide sinewave or CMOS output waveforms with a phase noise of $-115\text{dBc/Hz}@1\text{Hz}$; $-140\text{dBc/Hz}@10\text{Hz}$; $-155\text{dBc/Hz}@100\text{Hz}$; $-160\text{dBc/Hz}@1\text{kHz}$; $-165\text{dBc/Hz}@10\text{kHz}$ and have a frequency stability of $\pm 3\text{ppb}$ (vs. temperature). These OCXOs are fabricated using an SC-cut crystal that offers high stability and low aging. They are available in surface-mount packages that measure $36 \times 27 \times 12.7\text{mm}$. These OCXOs are ideal for satellite communication, military communication equipment, base station, timing board, measuring instrument, digital exchange system, etc

Specifications:

Electrical / Optical Characteristics ($T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$)

Items	Specification	Conditions
Part Number	LT-CR-OC-20M-3627	
Frequency Range	5MHz~40MHz	
Operating Voltage(VDD)	3.3~15V	
Setup Power Consumption	$\leq 5\text{W}$	
Operating Temperature	$-55^\circ\text{C} \sim 85^\circ\text{C}$	
Frequency Stability vs. Temperature	$\pm 3\text{ppb}$	Relative to the frequency at 25°C
Initial accuracy of reference temperature	$\pm 0.1\text{ppm}$	@ $25^\circ\text{C} \pm 1^\circ\text{C}$
Output Waveform	C: CMOS , S: Sine Wave	
Output load	50ohms or 15pF	
Output Power	7~13dBm	

Phase Noise (typ.)	-115dBc/Hz@1Hz; -140dBc/Hz@10Hz; -155dBc/Hz@100Hz; -160dBc/Hz@1kHz; -165dBc/Hz@10kHz;	Typical Frequency:100MHz
Dimension	36×27×12.7mm	
Note: For specifications beyond the above table, please contact us for customization.		

Outline Drawing (Unit: mm):

