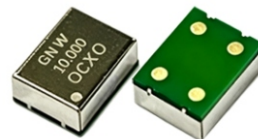


OCXO-1X



APPLICATIONS

- Time base
- Measuring equipment synthesizer
- Reference timing system

FEATURE

- SC-Cut based OCXO designs
- Supply voltage 3.3V/5V
- Short warm-up time
- High precision and stability
- Low phase noise

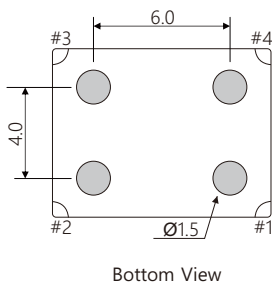
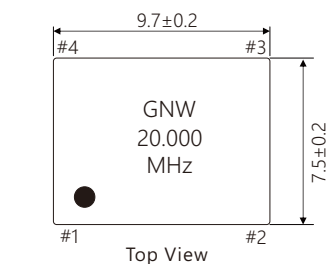


Electrical Specifications 电气参数

Item/Type	Electrical Specifications		
Frequency Range	9.6MHz to 100MHz		
Initial Frequency Accuracy	±200ppb @+25°C		
Operating Temperature Range	-40~+85°C		
Frequency Stability vs. Temperature	±10ppb		
Output Waveform and Load	CMOS 15pF typ.		
Output Voltage Level High	2.4V min.		
Output Voltage Level Low	0.4V max.		
Rise/Fall Time	8 ns		
Symmetry(Duty Cycle)	45% to 55%		
Short Term Stability	≤±0.05ppb/s@10MHz		
Frequency Stability vs. Voltage	≤±10ppb(VDD ±5%)		
Frequency Stability vs. Load	≤±10ppb(CL ±5%)		
Supply Voltage	3.3V/5V		
Supply Consumption	1.5W (Max.) When warm-up;0.4W (Max.) at steady state		
Warm-up Time	±100ppb, <3min		
Phase Noise@10MHz	-110dBc/Hz	Offset 10Hz	@+25°C
	-147dBc/Hz	Offset 100Hz	
	-160dBc/Hz	Offset 1KHz	
	-161dBc/Hz	Offset 10KHz	
	-165dBc/Hz	Offset 100KHz	
Aging	≤±3ppb/day,≤±500ppb/first year,≤±3ppm/20years		
Storage Temperature Range	-40~+125°C		

Mechanical Dimensions 外型尺寸

Units:mm



Pin	Function
#1	NC
#2	GND
#3	Output
#4	Power Supply