

# OCXO-9M



## APPLICATIONS

- Time base
- Measuring equipment synthesizer
- Reference timing system

## FEATURE

- SC-Cut based OCXO designs
- Wide supply voltage range of 3.3V~12V
- Short warm-up time
- High precision and stability
- Low phase noise

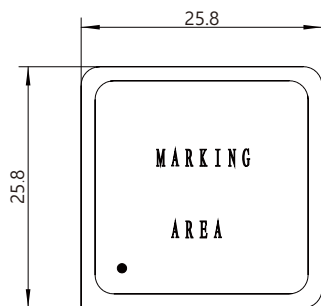


## Electrical Specifications 电气参数

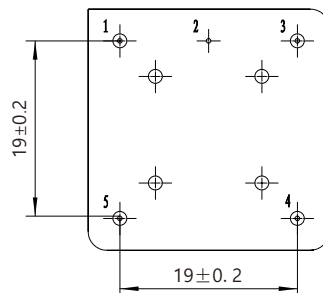
Item/Type	Electrical Specifications		
Frequency Range	2MHz to 100MHz		
Frequency Accuracy	±0.2ppm (center control voltage)		
Operating Temperature Range	-20~+70°C, -40~+85°C		
Frequency Stability vs. Temperature	±10ppb Max.		
Output Load	CMOS 15pF typ., Sine Wave 50Ω		
Short Term Stability	1.0×10 <sup>-11</sup> /s@10MHz		
Supply Voltage	3.3V ±5%/5.0V ±5%/12.0V ±5%		
Frequency Stability vs. Voltage	±3ppb(VDD ±5%)		
Frequency Stability vs. Load	±3ppb(CL ±10%)		
Supply Consumption	3.6W (Max.) When warm-up; 1.2W (Max.) at steady state		
Warm-up Time	±0.2ppm, <3min		
Adjustable Frequency Range	±0.7ppm		
Control Voltage Range	0~VDD		
Slope	Positive		
Linearity	10% Max.		
Phase Noise@10MHz	-120dBc/Hz	Offset 10Hz	@+25°C
	-140dBc/Hz	Offset 100Hz	
	-145dBc/Hz	Offset 1KHz	
	-150dBc/Hz	Offset 10KHz	
Aging	±1ppb/day, first year ±100ppb, 10years ±0.5ppm		
Storage Temperature Range	-40~+125°C		

## Mechanical Dimensions 外型尺寸

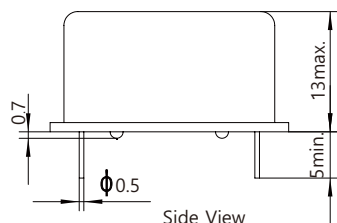
Units:mm



Top View



Bottom View



Side View

Pin	Function
#1	Output
#2	GND
#3	Control Voltage/NC
#4	Reference Voltage/NC
#5	Power Supply