OCXO-8X

APPLICATIONS

- Time base
- Measuring equipment synthesizer
- Reference timing system

FEATURE

- SC-Cut based OCXO designs
- Supply voltage 12V
- Short warm-up time
- High precision and stability
- Low phase noise

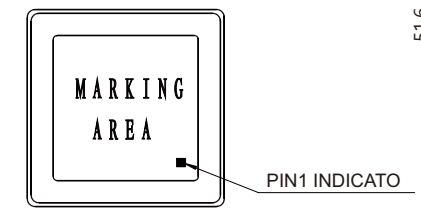
Pb free RoHS compliant

Electrical Specifications 电气参数

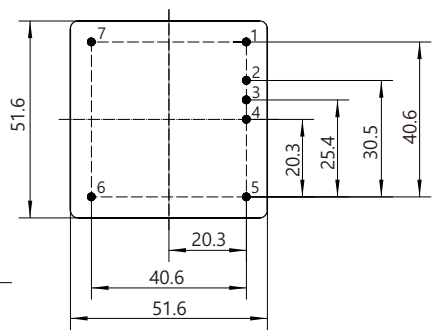
Item/Type	Electrical Specifications		
Frequency Range	2MHz to 100MHz		
Frequency Accuracy	±100ppb (TA=25°C)		
Operating Temperature Range	-20~+70°C		
Frequency Stability vs. Temperature	±0.5ppb pk-pk Max.		
Output Load	Sine Wave/50Ω		
Short Term Stability	1.0×10^{-11}/s@10MHz		
Supply Voltage	5V±5%/12V±5%		
Frequency Stability vs. Voltage	±0.1ppb(VDD ±5%)		
Frequency Stability vs. Load	±0.1ppb(CL ±10%)		
Supply Consumption	6W (Max.) When warm-up;3.0W (Max.) at steady state		
Warm-up Time	±0.2ppm,<10min		
Adjustable Frequency Range	±0.25ppm		
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	±0.1ppb/day,first year ±30ppb,20years ±300ppb		
Storage Temperature Range	-40~+125°C		

Mechanical Dimensions 外型尺寸

Units:mm

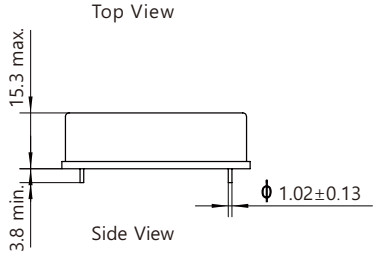


Top View



Bottom View

Pin	Function
#1	Control Voltage
#2	DON'T USE. PIN #2 & #3 ARE FOR GNW TEST ONLY.
#3	
#4	NC
#5	Output
#6	GND
#7	Power Supply



Side View