Oven-Controlled Crystal Oscillator
YOV5050DP OCXO



Applications

- satellite timing
- communication base station

Features

- Ultra-high stability
- Temperature stability ≤ ±1E-11 (-40°C to 70°C)
- Aging ≤ ±5E-11/day
- Short-term stability ≤ 1.5E-13 @ 1s

Specifications（规格参数）

Item		Technical Specifications
Performance Specifications 性能指标	Frequency 频率	5~20MHz
	Supply Voltage 工作电压	5V, 12V
	Output waveform 波形	Sine Wave/HCMOS
	Frequency Tolerance vs.Operating Temperature Range 温度稳定度	≤ ±0.01 ppb (best achievable) @-40~+70°C
	Warm up current 启动功耗	<14W
	Steady Consumption 稳定功耗	<6W
	Warm up time 启动时间	<15min
	Voltage Control Characteristics 电压控制特性	Linearity <10%
		Positive
	short-term stability 短稳@10M	<1.5E-13@1s
Phase Noise相噪 (@10M)	1Hz	-122dBc/Hz Min.
	10Hz	-150dBc/Hz Min.
	100Hz	-160dBc/Hz Min.
	1kHz	-165dBc/Hz Min.
	10kHz	-165dBc/Hz Min.
Environmental Conditions 工作环境	Operating Temperature Range 工作温度	-40°C~70°C
	Storage Temperature Range 储存温度	-55°C~105°C
Vibration 振动	Test conditions: Amplitude: 0.75mm (5~26HZ); Acceleration: 10g; 10Hz~500Hz; 30min a cycle, 2 hours in each direction (3 directions, X, Y and Z), IEC68-2-06 Test Fc.	
Shock 冲击	50g; 11ms; Half-sine wave (3 directions, X, Y, and Z), IEC68-2-27TestEa/Severity 50A	
Size 尺寸	50.8*50.8*15.0mm	

Note: The specifications are for reference only. Please contact customer service for detailed specifications.