Oven-Controlled Crystal Oscillator

YOV2525DP OCXO



Applications

- base station
- Medical equipment

Features

- Small size, high cost-performance, localized production
- Temperature stability ≤ ±0.2ppb (-40°C to 85°C)
- Aging ≤0.2ppb/day

Specifications（规格参数）

Item		Technical Specifications
Performance Specifications 性能指标	Frequency 频率	80~100MHz
	Supply Voltage 工作电压	3.3V, 5V, 12V
	Output waveform 波形	Sine Wave/HCMOS
	Frequency Tolerance vs.Operating Temperature Range 温度稳定度	≤ ±0.2 ppb (best achievable) @-40~+85°C
	Warm up current 启动功耗	<4W
	Steady Consumption 稳定功耗	<2W
	Warm up time 启动时间	<5min
	Voltage Control Characteristics 电压控制特性	Linearity <5%
		Positive
	short-term stability 短稳	<8E-12@1s
Phase Noise相噪 (@80M)	10Hz	-110dBc/Hz Min.
	100Hz	-140dBc/Hz Min.
	1kHz	-165dBc/Hz Min.
	10kHz	-176dBc/Hz Min.
	100kHz	-180dBc/Hz Min.
	1MHz	-180dBc/Hz Min.
Environmental Conditions 工作环境	Operating Temperature Range 工作温度	-40°C~85°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	25.4*25.4*12.7mm	

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