

恒温晶体振荡器OCXO

Features

- voltage (5V~12V)
- Output Waveform (TTL/CMOS)
- Supports a WIDE FREQUENCY RANGE (1MHz to 100MHz)
- Compact with dimensions of 36×27×15mm
- Versus Temperature Range: 0.002~1ppm



Specifications

项目Item	技术Specifications			备注Remarks	
频率范围Freq. Range	1.000MHz to 30.000MHz			Fundamental AT-Cut or sc-cut	
	30.000MHz to 100.000MHz PPL			3rd or overtone. Sc or AT	
频率温度特性 Versus Temperature Range	A	-0°C to 50°C	±0.02PPMAT	±0.005PPmSC	
	B	-10°C to 60°C	±0.05PPMAT	±0.002PPmSC	
	C	-20°C to 70°C			
	D	-30°C to 75°C	±1PPMAT	±0.005PPmSC	
	E	-40°C to 85°C			
Power Supply	电源电压Supply Voltage		5.0Vdc ±5% or 12Vdc ±5%		
	电源功率consumption		4.0w (max) warm-up 1.2w (max) static		
频率稳定性 Frequency Stability	老化率 Aging		±1PPb/day ±200PPb/day		
	Versus Supply Voltage		±0.02PPM		Vcc ±5%
	Versus Output Load		±0.02PPM		Standard Load ±10%
Jitter	3ps			RMS Noise	
Allan Variance	3PPB				
Phase Noise	100Hz		-90dBc/Hz		
	1KHz		-115dBc/Hz		
	10KHz		-140dBc/Hz		
	100KHz		-145dBc/Hz		
Output and Load Characteristic	A	Output Waveform	TTL	CMOS	Clippde Sine
	B	Output Levels	TTL	CMOS	1V pk10 pk
	C	Duty Cycle	50% ±10%	50% ±10%	-
	D	Rise/Fall Time	5ns	5ns	-
	E	Load	10TTL	15pF	10K Ω // 10pF
Frequency Adjustment	±1~ ±10PPm				

Dimensions

