

温补晶体振荡器TCX0-48.000MHZ

■ Features

- voltage(3.3V~5.0V)
- Output Waveform(CMOS/TTL)
- Supports a WIDE FREQUENCY RANGE48.000MHZ
- Versus Temperature Range:1.0ppm~2.5ppm
- Compact with dimensions of 20.8×13.5×8mm 12.8*12.8*7mm



■ Specifications

项目Item	技术Specifications			备注Remarks
频率范围	48.000MHZ			Fundamental AT-Cut PPL
工作温度	-10℃ to 60℃ -40℃ to 85℃			
频率温度特性	±0.5PPM ±1.5PPM			
电源电压	5.0Vdc±5% or 3.3Vdc±5%			
电源电流	5mA Max			Clippde Sine
	20mA Max			TTL/CMOS
老化率	±1.0PPM			per Year
频率稳定性	±0.2PPM			Vcc±5%(25℃)
Jitter(抖动)	3ps			RMS Noise
Allan Variance	3PPB			
Phase Noise (相位噪声)	100Hz	-100dBc/Hz		
	1KHz	-130dBc/Hz		
	10KHz	-140dBc/Hz		
	100KHz	-145dBc/Hz		
输出, 负载特点	A	Output Waveform	TTL CMOS Clippde Sine	
	B	Output Levels	TTL CMOS 1V pkT0 pk	
	C	Duty Cycle	50%±10% 50%±10% -	
	D	Rise/Fall Time	5ns 5ns -	
	E	Load	10TTL 15pF 10K Ω //10pF	
Frequency Adjustment	±1PPm Min			

■ Dimensions

