

OCXO

1.0 规格说明 (Specification)

技术指标项目(Parameter)		规格(Specification)				Unit	
常规指标(General)							
标称频率(Nominal Frequency)		10.000~40.000				MHz	
温度范围 (Temp. Range)	工作温度(Operating Temp. Range)	-30°C ~ +70°C				°C	
	储存温度(Storage Temp. Range)	-40°C ~ +85°C				°C	
电性能(Electrical Performance)							
输入 (Input Power)	供电电压(Supply Voltage)	+12V DC \pm 5%		-5V DC \pm 5%		V	
	电流 (Current Consumption)	初始状态(Switch On)	300		500		mA(max.)
		稳定状态 (Steady State @25°C)	120		300		
频率调整 (Frequency Turning)	中心电压(Center Voltage)	2.5 \pm 0.25V DC		1.65 \pm 0.16V DC		V	
	频率调整范围(Freq. Turning Range)	\pm 0.7 (SC) \pm 2 (AT)		\pm 0.7 (SC) \pm 2 (AT)		ppm(min.)	
	控制电压(Control Voltage Range)	2.5 \pm 2.5V DC		1.65 \pm 1.65V DC		V	
	参考电压(Reference Voltage)	+5V DC \pm 5%		+3.3V DC \pm 5%		V	
	电压斜率(Slope)	Positive					
	线性度(Linearity)	----					
	频率准确度 (Freq. Accuracy at Time of Shipment)	0.05 (SC) 0.1 (AT)		0.05 (SC) 0.1 (AT)		ppm	
输出 (Output Signal)	波形(Waveform)	CMOS	Sine Wave	CMOS	Sine Wave		
	幅度(Level)	---	8 \pm 1	---	3 \pm 1	dBm	
	负载(Load)	4TTL	50 Ω	4TTL	50 Ω		
	谐波(Harmonics)	---	<-30	---	<-30	dBc	
	杂波(Spurious)	---	<-70	---	<-70	dBc	
频率稳定性 (Frequency Stability)	温度特性(Vs. Operating Temp.)	\pm 0.02 (SC) \pm 0.05 (AT)		\pm 0.02 (SC) \pm 0.05 (AT)		ppm(max.)	
	电压特性(Vs. Supply Voltage Variation)	\pm 2					
	负载特性(Vs. Load Variation)	\pm 2					
	秒级稳定度(Short Term Stability@1s)			0.1(SC) 0.3(AT)			
	开机特性 (Vs. warm up time)	开机时间 (Warm up Time @25°C)	5				min
		参考频率(Reference Freq.)	30 min final frequency				
	频率偏差 (Error of Final Freq.)	\pm 20				ppb(max.)	
相位噪声 (Phase Noise)	At 10Hz	<-120 (SC)	<-110 (AT)	<-120 (SC)	<-110 (AT)	dBc/Hz	
	At 100Hz	<-135 (SC)	<-130 (AT)	<-135 (SC)	<-130 (AT)		
	At 1KHz	<-150 (SC)	<-150 (AT)	<-150 (SC)	<-150 (AT)		
	At 10KHz	<-152					
老化 (Aging)	加电30天后 (after 30 Days of Operation)	Daily	\pm 0.5(SC) \pm 2(AT)		\pm 0.5(SC) \pm 2(AT)		ppb(max.)
		First Year					
		10Years					

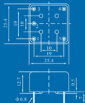
2.0 外形尺寸(Outline Drawing)

1、NI Type 常规36*27*16mm



引脚(PIN)	功能(FUNCTION)
1	压控输入 (VOLT. CONT. INPUT)
2	参考电压(OUTPUT REF. VOLTAGE)
3	电源电压(SUPPLY VOLTAGE)
4	频率输出(RE. OUTPUT)
5	电源地-外壳(GND/CASE)

2、NA Type 常规25.4*25.4*12.7mm



引脚(PIN)	功能(FUNCTION)
1	频率输出(RE. OUTPUT)
2	电源地-外壳(GND/CASE)
3	压控输入(VOLT. CONT. INPUT)
4	参考电压(OUTPUT REF. VOLTAGE)
5	电源电压(SUPPLY VOLTAGE)

3、NB Type 常规50*50*20mm



引脚(PIN)	功能(FUNCTION)
1	压控输入(VOLT. CONT. INPUT)
2	参考电压(OUTPUT REF. VOLTAGE)
3	频率输出(RE. OUTPUT)
4	电源地-外壳(GND/CASE)
5	电源电压(SUPPLY VOLTAGE)

4、NE Type 常规50*40*25mm



引脚(PIN)	功能(FUNCTION)
1	电源地-外壳(GND/CASE)
2	压控输入(VOLT. CONT. INPUT)
3	参考电压(OUTPUT REF. VOLTAGE)
4	电源电压(SUPPLY VOLTAGE)
5	频率输出(RE. OUTPUT)