

# OXC10 SERIES

## Part Number Guide

OXC10 - XXXXX - FREQ.

OXC10: OCXO-C Package/10 Series

XXXXX: Input Voltage/Temp. Range/Temp. Stability/Output/Adjustment Range

FREQ.: Frequency in MHz

Example: OXC10-1AHHA-10MHz (3.3V, ±3ppb@-40°C-85°C, HCMOS, ±0.5 ±1.0ppm adjustment range)

Parameters 参数	Coding Table 代码表	
11 Frequency Range 频率范围	5MHz-50MHz	
6 Input Voltage 输入电压	A: 3.3V, B: 5V, C: 12V	
7 Temp. Range 温度范围	A: -40°C to 85°C, B: -30°C to 75°C, C: -20°C to 70°C	
8 Temp. Stability 温度稳定性	H: ±3ppb, I: ±5ppb, J: ±10ppb	O: ±30ppb, P: ±50ppb, Q: ±0.1ppm
9 Output Waveform 输出波形	L:LVTL, H:HCMOS, S:Sine wave	
10 Adjustment Range 调整范围	A: ±0.5ppm ±1.0ppm N: No Adjustment	H: ±5ppm ±10ppm N: No Adjustment

## Voltage (reference only) 电压 (仅供参考)

Input Voltage 输入电压	3.3V ± 5%	5V ± 5%		
Reference Voltage 参考电压	Not Connected	2.8V	Not Connected	4V
VCO Center Voltage 压控端中心电压	1.65V	1.4V	2.5V	2V
VCO Input Range 压控端电压范围	0-3.3V	0-2.8V	0-5V	0-4V

## Typical Specification of 10MHz OCXO 典型规格

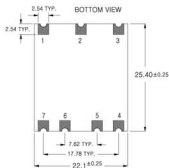
Crystal Type 晶体类型	SC-Cut		AT-Cut	
	Aging 老化率	daily Yearly	<±0.3ppb <±30ppb	daily Yearly
Warm-up Time 开机时间	<3min, to 5ppb of final frequency (30 minutes reading) @25°C.		<3min, to 50ppb of final frequency (30 minutes reading) @25°C.	
Warm-up Power 开机功率	<3 Watts		<3 Watts	
Steady State Power 稳态功耗	<1.2 Watts @25°C		<1.0 Watts @25°C	
Voltage Stability 电压稳定性	<±0.5ppb/Vcc ± 5%		<±5ppb/Vcc ± 5%	
Short Term Stability 短期稳定度	<0.01ppb/S		<0.1ppb/S	
Phase Noise (Typical Value) 相位噪声 (典型值)	@1 Hz	-98 dBc/Hz	@1 Hz	-85 dBc/Hz
	@10 Hz	-128 dBc/Hz	@10 Hz	-115 dBc/Hz
	@100 Hz	-150 dBc/Hz	@100 Hz	-143 dBc/Hz
	@1k Hz	-158 dBc/Hz	@1k Hz	-154 dBc/Hz
	@10k Hz	-164 dBc/Hz	@10k Hz	-164 dBc/Hz
@100k Hz	-165 dBc/Hz	@100k Hz	-165 dBc/Hz	
Product Height 产品高度	10.7mm, 12.2mm, 15mm typical			



Pb Free

RoHS Compliant  
Directive 2002/95/EC

## Mechanical Dimensions 外形图



## PIN CONNECTIONS

PN	FUNCTION
1	VCO Input or N/C
2	Reference Voltage or N/C
3	+VCC
4	R. F. Output
5	Oven Monitor or N/C
6	N/C
7	GND

Unit: mm

## Reflow Condition 回流焊条件

