

# OXA10 SERIES

## Part Number Guide

OXA10 - XXXXX - FREQ.

OXA10: OCXO-A Package/10 Series

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

FREQ.: Frequency in MHz

Example: OXA10-AAHHA-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: ±100ppb
9 Output Waveform 输出波形	LVVTTL, 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 电压 (reference only 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 压控端输入范围	0~3.3V	0~2.8V	0~5V	0~4V

## Typical Specification of 10MHz 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 短期稳定性	<0.005ppb/5		<0.05ppb/5	
Phase Noise 相位噪声 (Typical Value) (典型值)	@1Hz	-98 dBc/Hz	@1Hz	-85 dBc/Hz
	@10Hz	-128 dBc/Hz	@10Hz	-115 dBc/Hz
	@100Hz	-145 dBc/Hz	@100Hz	-140 dBc/Hz
	@1kHz	-155 dBc/Hz	@1kHz	-150 dBc/Hz
	@10kHz	-164 dBc/Hz	@10kHz	-162 dBc/Hz
MTIE	0.02ns@1s, 0.1ns@10s, 1ns@100s [1MHz loop bandwidth]			
TDEV	0.001ns@1s, 0.008ns@10s, 0.1ns@100s [1MHz loop bandwidth]			
Product Height 产品高度	11mm, 12.7mm Max.			



Pb Free

RoHS Compliant  
Directive 2002/95/EC

## Mechanical Dimensions 外形尺寸

