

OXB10 SERIES

Part Number Guide

OXB10 - XXXXX - FREQ.
 OXB10: OCKO-B Package/10 Series
 XXXXX: Input Voltage/Temp. Range/ Temp. Stability/Output/Adjustment Range
 FREQ.: Frequency in MHz
 Example: OXB10-84ILN-12.8MHz (5V,±5ppb@-40°C~85°C, LVTTTL, no adjustment)

Parameters 参数	Coding Table 代码表
11 Frequency Range - 频率范围	5MHz-50MHz 10, 12.8, 13, 15.36, 16.384, 19.2, 19.44, 20, 25, 26, 30.72, 38.88, 40, 50MHz
6 Input Voltage 输入电压	A: 3.3V, B:5V, C:1.2V
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, D: 0°C to 70°C
8 Temp. Stability 温度稳定性	H: ±3ppb, I: ±5ppb, J: ±10ppb, O: ±30ppb, P: ±50ppb, Q: ±1.0ppm
9 Output Waveform 输出波形	LVTTTL, H-CMOS, 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 压控中心电压	1.65V	1.4V	2.5V	2V
VCO Input Range 压控输入范围	0~3.3V	0~2.8V	0~5V	0~4V

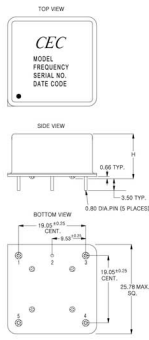
Typical Specification of 10MHz OCKO 典型规格

Crystal Type 晶体类型	SC-Cut		AT-Cut	
	Aging 老化率	daily <±0.3ppb	Yearly <±30ppb	daily <±0.3ppb
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	<4 Watts		<4 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%		±0.5ppb@Vcc ±5%	
Short Term Stability 短期稳定度	<0.005ppb/5		<0.05ppb/5	
Phase Noise (Typical Value) 相位噪声 (典型值)	@1 Hz	-95 dBc/Hz	@1 Hz	-85 dBc/Hz
	@10 Hz	-127 dBc/Hz	@10 Hz	-115 dBc/Hz
	@100Hz	-143 dBc/Hz	@100Hz	-138 dBc/Hz
	@1k Hz	-153 dBc/Hz	@1k Hz	-145 dBc/Hz
	@10k Hz	-164 dBc/Hz	@10k Hz	-160 dBc/Hz
Product Height 产品高度	11mm, 12.7mm Max.			



Pb Free RoHS Compliant
 Directive 2002/95/EC

Mechanical Dimensions 外形图



PIN CONNECTIONS

PIN	FUNCTION
1	R. P. Output
2	GROUND
3	VCO Input or N/C
4	Reference Voltage or N/C
5	+VCC

Unit: mm