

OXE10 SERIES

Part Number Guide

OXE10 - XXXXX - FREQ.
 OXE10: OXCO-E Package/10 Series
 XXXXX: Input Voltage/Temp. Range/Temp. Stability/Output/Adjustment Range
 FREQ.: Frequency in MHz

Example: OXE10-AAHHN-25MHz (3.3V, ±3ppb @ -40°C~85°C, HCMOS, 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, 38.88MHz		
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: -30°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:LVTTL, H:HCMOS, S:Sine wave		
10	Adjustment Range 调整范围	A: ±0.5ppm ~ ±1.0ppm	H: ±5ppm ~ ±10ppm	
		N: No Adjustment	N: No Adjustment	
Voltage (reference only) 电压 (仅供参考)				
Input Voltage 输入电压	3.3V ±5%	5V ±5%		
VCO Center Voltage 压控端中心电压	1.65V	2.5V		
VCO Input Range 压控端电压范围	0~3.3V	0~5V		
Typical Specification of 10MHz OXCO 典型规格				
Crystal Type 晶体类型	SC-Cut		AT-Cut	
Aging 老化率	daily	< ±0.5ppb	daily	< ±3ppb
	Yearly	< ±50ppb	Yearly	< ±0.3ppm
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 暖机功率	<2.5 Watts		<2.5Watts	
Steady State Power 稳态功耗	<1.0 Watts @25°C		<0.8 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	<0.01ppb/5		<0.1ppb/5	
Phase Noise (Typical Value) 相位噪声 (典型值)	@1 Hz	-92 dBc/Hz	@1 Hz	-80 dBc/Hz
	@10 Hz	-122 dBc/Hz	@10 Hz	-115 dBc/Hz
	@100Hz	-145 dBc/Hz	@100Hz	-143 dBc/Hz
	@1k Hz	-152 dBc/Hz	@1k Hz	-152 dBc/Hz
	@10k Hz	-160 dBc/Hz	@10k Hz	-160 dBc/Hz
Product Height 产品高度			11mm Max.	



Pb Free

RoHS Compliant
Directive 2002/95/EC

Mechanical Dimensions 外形图

