OXB10 SERIES

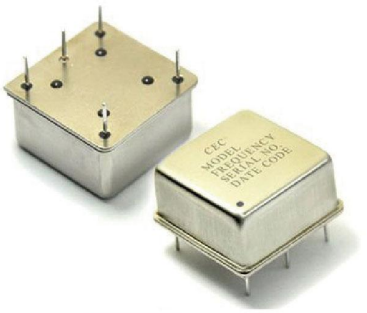
Part Number Guide

OXB10 - XXXXX – FREQ.
OXB10: OCXO-B Package/10 Series
XXXXX: Input Voltage/Temp. Range/ Temp. Stability/Output/Adjustment Range
FREQ.: Frequency in MHz
Example: OXB10-BAILN-12.8MHz (5V,±5ppb@ -40°C~85°C, LVTTL, 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: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, 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±0.1ppm	
9	Output Waveform 输出波形	L:LVTTL, H:HCMOS, S:Sine wave			
10	Adjustment Range 调频范围	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 压控端输入范围	0~3.3V	0~2.8V	0~5V	0~4V

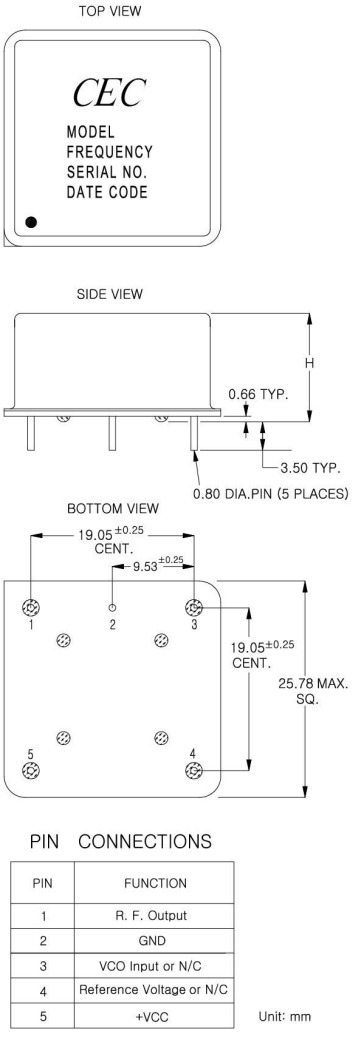
Typical Specification of 10MHz OCXO 典型规格				
Crystal Type 晶体类型	SC-Cut		AT-Cut	
Aging 老化率	daily	<±0.3ppb	daily	<±3ppb
	Yearly	<±30ppb	Yearly	<±0.3ppm
Warm-up Time 开机时间	<3min, to 5ppb of final frequency (30 minutes reading) @25°C.		<3min, to 50ppb of final frequency (30 minutes reading) @25°C.	
Warm-up Power 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%		<±5ppb@Vcc±5%	
Short Term Stability 短期稳定度	<0.005ppb/S		<0.05ppb/S	
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
	@100k Hz	-165 dBc/Hz	@100k Hz	-161 dBc/Hz
Product Height 产品高度	11mm, 12.7mm Max.			



Pb Free

RoHS Comp iant
Directive 2002/95/EC

Mechanical Dimensions 外形图



PIN CONNECTIONS

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

Unit: mm