

OXB20 SERIES

Part Number Guide

OXB20-XXXX-FREQ.

OXB20: 0CX0-B Package/20 Series

XXXX: Input Voltage/Temp. Range/Temp. Stability/Phase Noise/Adjustment Range

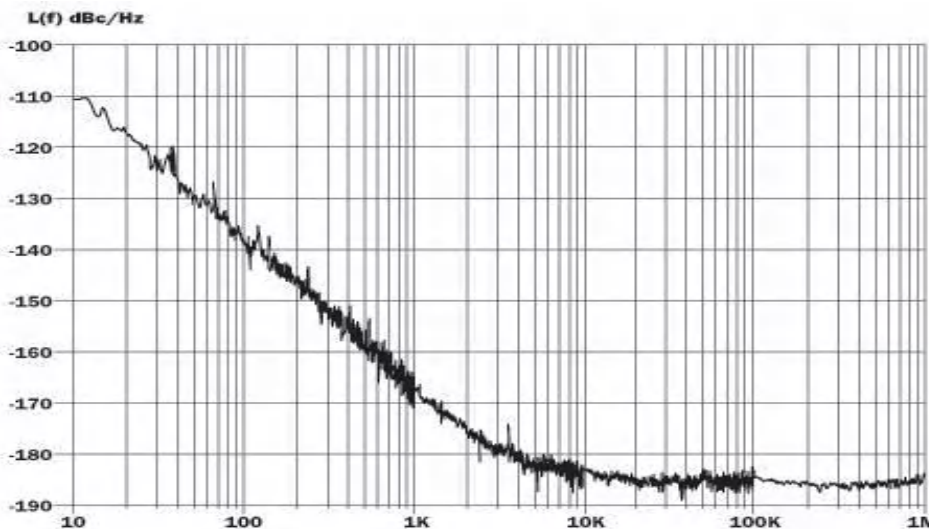
FREQ.: Frequency in MHz

Example: OXB20-BCKLA-10MHz (5V, $\pm 10\text{ppb}$ @ -20°C ~ 70°C , $-160\text{dBc}/\text{Hz}$ @ 1KHz , ± 0.5 ~ $\pm 1.0\text{ppm}$ adjustment range)

Parameters参数		CodingTable代码表
11	Frequency Range 频率范围	80MHz~120MHz
6	Input Voltage 输入电压	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 温度稳定度	J: $\pm 10\text{ppb}$, K: $\pm 20\text{ppb}$, P: $\pm 50\text{ppb}$ Q: $\pm 100\text{ppb}$
9	Phase Noise 相位噪声	P: $-162\text{dBc}/\text{Hz}$ @ 1KHz , U: $-164\text{dBc}/\text{Hz}$ @ 1KHz , E: $-166\text{dBc}/\text{Hz}$ @ 1KHz
10	Adjustment Range 调频范围	A: $\pm 0.5\text{ppm}$ ~ $\pm 1.0\text{ppm}$ N: No Adjustment

Voltage电压			
Input Voltage 输入电压	5V $\pm 5\%$	12V $\pm 5\%$	
VCO Input Range 压控输入范围	0~4.5V	0~10V	
Reference Voltage 参考电压	4.5V	N/A	

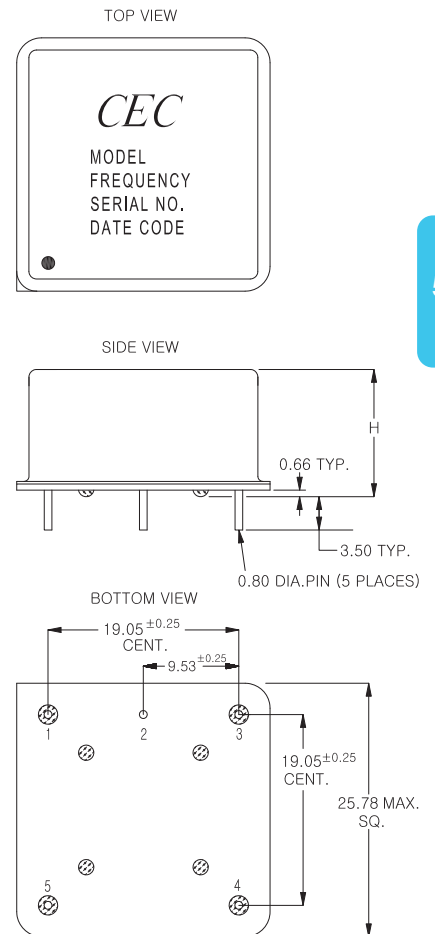
Typical Specification of 100MHz 0CX0 典型指标			
Output Waveform 输出波形	Sine wave	Voltage Stability 电压稳定性	$< \pm 2\text{ppb}@V_{CC} \pm 5\%$
Aging 老化率	Daily	$< \pm 5\text{ppb}$	
	Yearly	$< \pm 0.5\text{ppm}$	
Short Term Stability 短期稳定度	$< 0.005\text{ppb}/\text{S}$	Warm-up Power 预热功率	$< 3.5\text{ Watts}$
Output Power 输出功率	$> 13\text{dBm}$	Steady State Power 稳态功耗	$< 1.5\text{ Watts}@25^{\circ}\text{C}$
Product Height 产品高度	12.7mm		



Pb Free

RoHS Compliant

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