

OXA20 SERIES

Part Number Guide

OXA20-XXXX-FREQ.

OXA20: OCXO-A Package/20 Series

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

FREQ.: Frequency in MHz

Example: OXA20-BCKLA-10MHz (5V, $\pm 20\text{ppb}/-20^{\circ}\text{C}\sim 70^{\circ}\text{C}$, $-105\text{dBc}/\text{Hz}@1\text{Hz}$, $\pm 0.5\sim 1.0\text{ppm}$ adjustment range)

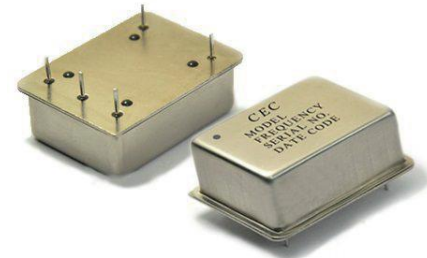
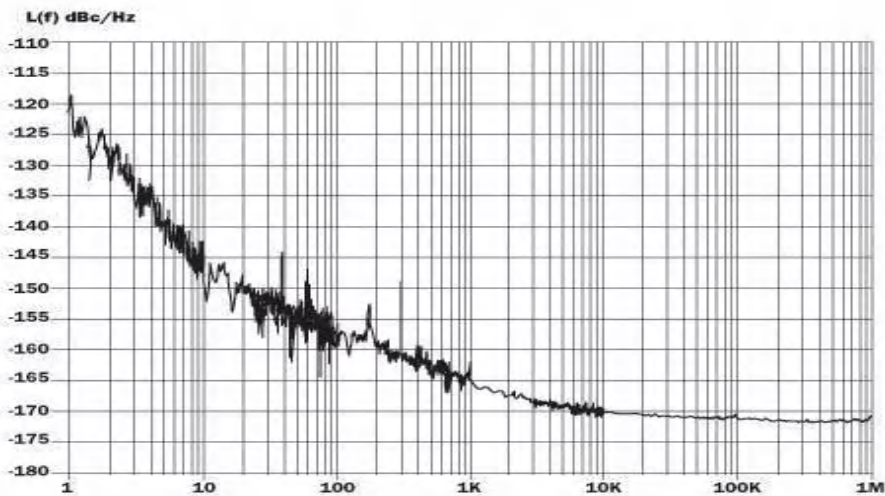
Parameters 参数		Coding Table 代码表
11	Frequency Range 频率范围	8MHz~13MHz
6	Input Voltage 输入电压	B: 5V, C: 12V
7	Temp. Range 温度范围	A: -40°C to 85°C , B: -30°C to 75°C , C: -20°C to 70°C
8	Temp. Stability 温度稳定度	J: $\pm 10\text{ppb}$, K: $\pm 20\text{ppb}$, O: $\pm 30\text{ppb}$ P: $\pm 50\text{ppb}$
9	Phase Noise 相位噪声	L: $-105\text{dBc}/\text{Hz}@1\text{Hz}$, P: $-112\text{dBc}/\text{Hz}@1\text{Hz}$, U: $-115\text{dBc}/\text{Hz}@1\text{Hz}$
10	Adjustment Range 调频范围	A: $\pm 0.5\text{ppm}\sim 1.0\text{ppm}$ 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~Vref	0~Vref
Reference Voltage 参考电压	4.5V	5.0V

Typical Specification of 10MHz OCXO 典型指标

Output Waveform 输出波形	Sine wave	Voltage Stability 电压稳定性	$< \pm 0.3\text{ppb}/V_{\text{CC}} \pm 10\%$
Daily Aging 日老化	$< \pm 0.3\text{ppb}$	Output Power 输出功率	$> 10\text{dBm}$
Short Term Stability 短期稳定度	$< 0.001\text{ppb}/\text{S}$	Warm-up Power 预热功率	$< 3.5\text{ Watts}@-30^{\circ}\text{C}$
Product Height 产品高度	16mm or 19mm	Steady State Power 稳态功耗	$< 1.4\text{ Watts}@25^{\circ}\text{C}$

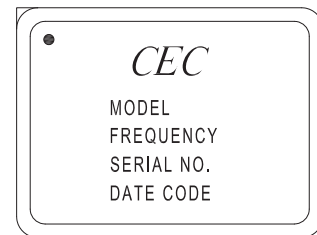


Pb Free

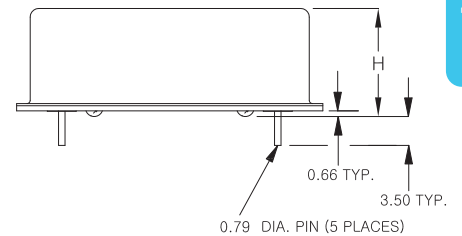
RoHS Compliant

•Mechanical Dimensions 外型尺寸

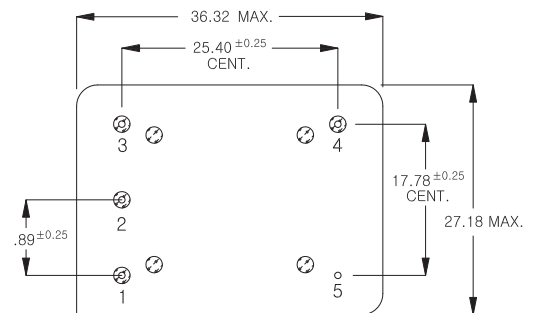
TOP VIEW



SIDE VIEW



BOTTOM VIEW



PIN CONNECTIONS

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

Unit: mm