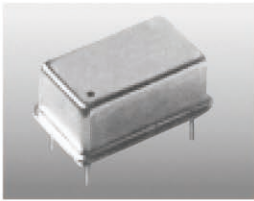


Oven Controlled Crystal Oscillator OC14



Features

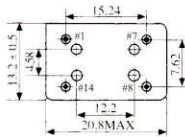
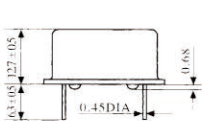
- Good frequency stability
 - Low phase noise
 - Pb - free & RoHS Compliance
- 频率温度稳定度高
 - 低相位噪声
 - 无铅环保产品

特點

Specifications 指標參數

型號	Holder Type	OC14	
頻率範圍	Frequency Range	1.000MHz ~ 100.000MHz	
頻率溫度穩定度	Frequency Stability vs. Temperature range	$\pm 0.1\text{ppm max (at Center Control Voltage)}$	
		$\pm 0.05\text{ppm (0 to }+50^{\circ}\text{C)}$	
		$\pm 0.2\text{ppm (-20 to }+70^{\circ}\text{C)}$	
		$\pm 0.5\text{ppm (-40 to }+75^{\circ}\text{C)}$	
老化率	Aging	$\pm 0.05\text{ppm, 10 years } \pm 3\text{ppm}$	
頻率負載穩定度	vs Load Change of $\pm 10\%$	$\pm 0.05\text{ppm max.}$	
頻率電壓穩定度	vs Supply Voltage Change of $\pm 5\%$	$\pm 0.05\text{ppm max.}$	
工作溫度範圍	Operating Temperature Range	$0^{\circ}\text{C to }+50^{\circ}\text{C} \sim -40^{\circ}\text{C to }+75^{\circ}\text{C}$	
儲存溫度範圍	Storage Temperature Range	$-40^{\circ}\text{C to }+100^{\circ}\text{C}$	
輸入電壓	Supply Voltage	$5.0\text{V or }3.3\text{V } \pm 10\%$	
輸入功耗	supply Consumption	$1.5\text{W max. when warm-up; } 0.5\text{W max. when static}$	
輸出波型	Output Waveform	Clipped Sine	TTL/HCMOS
輸出負載	Output Load	$10\text{k}\Omega/10\text{pF}$	$10\text{TTL}/15\text{pF}$
振幅 / 輸出電壓	Output Level / Voltage	$>1\text{Vpp}$	$\text{VoH: } 2.4\text{V} / 90\%\text{V}$
			$\text{VoL: } 0.4\text{V} / 10\%\text{V}$
電流	Current	20mA	
上升 / 下降時間	Rise/Fall Time	6nS Max	
輸出對稱性	Symmetry	$40/60\%$ or $45/55\%$	
預熱時間	Warm-up Time	$\pm 0.1\text{ppm, } < 1\text{min.}$	
可調頻率範圍	Adjustable Frequency Range	$\pm 7.0\text{ppm}$	
電壓控制範圍	Control Voltage Range	$0\text{--}5\text{V}$	
斜率	Slope	Positive	
綫性	Linearity	$\pm 10\%$	
相位噪聲	Phase Noise	$10\text{Hz, } -100\text{dBc/Hz}$	$100\text{Hz, } -120\text{dBc/Hz}$
		$1\text{kHz, } -135\text{dBc/Hz}$	$10\text{kHz, } -145\text{dBc/Hz}$

Mechanical Dimensions 外型尺寸



• Pin Configuration

#1	V _{control}
#7	Ground
#8	Output
#14	V _{cc}

Unit/ 單位: mm

In addition to the standard products, various custom-designed ones are available to meet your requirements.