

OH02



High Oscillating Frequency;
Low Phase Noise;
Fine stability oven controlled crystal oscillator
Especial application for Radar

Table1 Specifications

Parameter		OH02	
Frequency Range 频率范围		50MHz~120MHz	
Standard Frequency 常用频点		50MHz, 100MHz	
Frequency Stability 频率稳定度	vs Operation Temp. Range	$\pm 1 \times 10^{-7}$, Stability Code is "1.7"	
	vs Vcc Change $\pm 5\%$	$\pm 1 \times 10^{-8}$	
	vs Load Change $\pm 10\%$	$\pm 1 \times 10^{-8}$	
	vs Aging	$\pm 1 \times 10^{-7}/\text{year}$, @25 after 30 days operation	
Operation Temperature Range 工作温度范围		-10~+55, Code "L"	
Supply Voltage 电源电压		5V, 9V, 12V, 15V(option code 5,9,12,15)	
Current Consumption (@12Vcc) 电流		500mA max at Turn-on, 150mA max after warm up at 25	
Short Term Stability 秒级稳定度		$\pm 1 \times 10^{-11}/\text{s}$	
Output 输出	Wave Form	Sine, 3dBm min (@12Vcc)	Code is "S"
	Load	50 Ω	
	Harmonic Suppression	-30dB	
	Non-Harmonic Suppression	-70dBc	
SSB Phase Noise 单边带相位噪声 (100MHz, typical)		-90dBc@10Hz	
		-120dBc@100Hz	
		-150dBc@1kHz	
		-160dBc@10kHz	
Warm-up Time@25 Typical 预热时间		$\pm 5 \times 10^{-7}$ after 5 minutes	
Frequency Adjustment 频率调整范围		$\pm 1 \times 10^{-6}$	
Package 外形尺寸		38A, 50B, 50C, 50D	
Storage Temperature Range 存储温度范围		-40~+85	

Table2 Output Option Code

OCXOs

Part Numbering Key

SERIES	PACKAGE CODE	Supply Voltage	OUTPUT FORM	FREQ. STABILITY vs.TEMP	FREQUENCY
OH02	38A	5=5V 9=9V 12=12V 15=15V	S=Sinewave	1.7= $\pm 1 \times 10^{-7}$ L=-10~+55	
OH02	38A	12	S	L1.7	100.000MHz

Sample Part Numbers

**OH02-38A-12S-L1.7
@100.000Mhz**

*New Production