

晶体振荡器 Crystals Oscillators Unit
 产品型号 HEVC31- SMD 7×5 VCXO

产品特征 Features

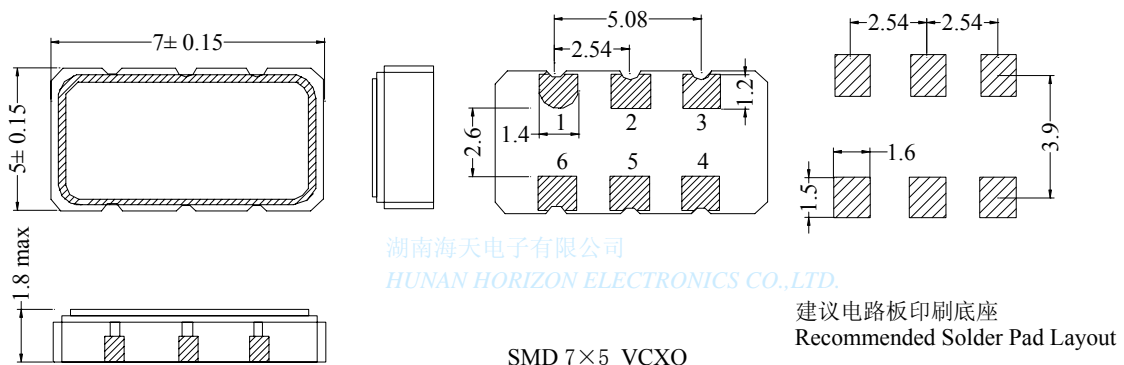
- 表面贴装电压控制晶体振荡器
 Surface Mount Voltage Controlled Crystals Oscillators
- 兼容 TTL/HCOMOS Compatible



产品规格 Specification

电性能参数 Parameter	规格 Specification	
频率范围 Frequency Range	1.750~50.000MHz	
频率稳定度 Overall Frequency Stability	±25ppm~±50ppm	
工作温度 Operating Temperature	-10℃~60℃ \ -40℃~85℃	
储存温度 Storage Temperature	-40℃~85℃ \ -55℃~125℃	
输入电压 Supply Voltage (V _{DC})	HEVC31A	HEVC31B
	+5.0±0.5 V _{DC}	+3.0±0.3 V _{DC}
输入电流 Supply Current (I _{CC})	15mA~35mA	
对称性 (占空比) Symmetry (Duty Cycle)	40/60% Std.	
上升和下降时间 Rise and Fall Time	6ns max	
输出停止 \ 启动时间	100ns max	
Output Disable \ Enable Time		
三态启用选项 Tristate Enable Option	Tri-State	
老化率 Ageing @ 25℃±3℃	±3 ppm typical first year, ±10 ppm 10 years	
电压控制范围 Voltage Control Range	+2.5±2.25 V _{DC} for 5V	+ 1.65±1.5V _{DC} for 3.3 V
转移特性 Transfer Function \ 正转移(随着控制电压的增加, 输出频率增加。)	Positive Transfer (Increasing Control Voltage ,Increases Output Frequency)	
牵引量 Pullability	±50 ppm~±100ppm	
输出负载 Output Load	10TTL\ 15 pf HCMOS	
频率线性 Frequency Linearity	±10%	
所有规格如有变更, 不另行通知。 All Specifications Subject to Change Without Notice.		

外形尺寸(单位:毫米) Figure and Dimensions (Unit: mm)



Pin	功能 Function	Pin	功能 Function
1	电压 Voltage Control	4	输出 Output
2	数控或三态 Tri-State or NC	5	数控或三态 NC or Tri-State
3	接地 Ground	6	输入电压 Input Voltage

订购须知 Order Information

HEVC31□-Frequency- Temp.Range- Overall Freq.Stability-Duty Cycle-Option

HEVC31□	产品系列 Product Family SMD 7×5 VCXO
	<ul style="list-style-type: none"> ■ HEVC31A for +5.0±0.5 V_{DC} ■ HEVC31B for +3.0±0.3 V_{DC}
Frequency	频率 Frequency(MHz)
Temp.Range	工作温度 Operating Temperature
	<ul style="list-style-type: none"> ■ T₁ for -10℃~60℃ ■ T₂ for -40℃~85℃ ■ X for custom value
Overall Freq.Stability	频率稳定度 Overall Frequency Stability
	<ul style="list-style-type: none"> ■ H₁ for±25 ppm max ■ H₂ for±50 ppm max ■ X for custom value
Duty Cycle	对称性（占空比）Tight Symmetry (Duty Cycle)
	A for Blank-None Required (40/60% Std)
Option	选型 Option
	<ul style="list-style-type: none"> ■ T For Tri-State ■ N For No Connection

订购举例: Example : HEVC31B-20.000MHz--T₁-H₁-A-T

HEVC31B	产品系列 SMD OSC 7×5(PECL)-+3.0±0.3 V _{DC}
20.000MHz	频率 Frequency \ f ₀ =20.000MHz
T₁	工作温度 Operating Temperature \ T ₁ =-10℃~60℃
H₁	频率稳定度 Overall Frequency Stability \ H ₁ =±25 ppm
A	对称性（占空比）Symmetry (Duty Cycle)
	A for Tight Symmetry(40/60% Std)Duty Cycle
T	选型 Option \ T For Tri-State

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