

晶体振荡器 Crystals Oscillators Unit
 产品型号 HEOC21-14PIN DIP

产品特征 Features

- 全尺寸 Full-Size Dip
- 时钟晶体振荡器 Clock Crystals Oscillators
- 兼容 HCMOS / TTL Compatible

长沙海云天电子科技有限公司

CHANGSHA HORIZON ENTERPRISES CO.,LTD.

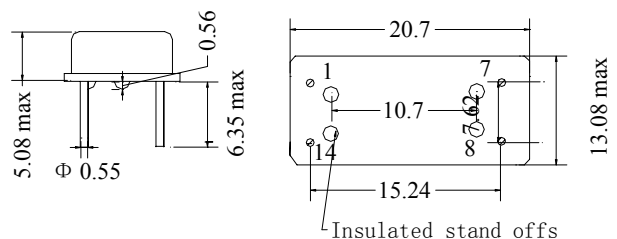


产品规格 Specification

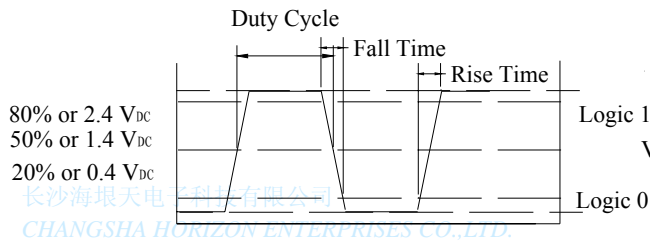
电性能参数 Parameter	规格 Specification	
频率范围 Frequency Range	500.000kHz~ 125.000MHz	
频率稳定度 Overall Frequency Stability [包括工作稳度、电源电压和负载]	±25ppm~±100ppm (Inclusive of Operating Temp, Supply Voltage & Load)	
工作温度 Operating Temperature	0℃~70℃ (See Options)	
储存温度 Storage Temperature	-55℃ ~ 125℃	
输入电压 Supply Voltage (V _{DC})	HEOC21A +5.0±0.5 V _{DC}	HEOC21B +3.3±0.3 V _{DC}
输入电流 Supply Current (I _{CC})		
500.000 kHz~23.900 MHz	15mA max	
24.000~49.9000 MHz	35mA max	
50.000~125.000 MHz	45mA max	
对称性 (占空比) Symmetry (Duty Cycle)	40/60% Std./ 45/55% Avail. (See Options)	
逻辑输出电平 Output "0" Level (V _{OL})	HEOC21A 0.4V _{DC} max.(TTL) 0.5V _{DC} max.(HCMOS)	HEOC21B 0.4V _{DC} max.(TTL) 0.4V _{DC} max.(HCMOS)
逻辑输出电平 Output "1" Level (V _{OH})	2.4V _{DC} min.(TTL). 4.5V _{DC} min (HCMOS)	2.4V _{DC} min.(TTL). 4.7V _{DC} min (HCMOS)
上升和下降时间 Rise and Fall Time	10ns max <5ns typical	
启动时间 Start Time	10ms max <5ms typical	
老化率 Ageing @ 25℃±3℃	±3 ppm first year	
输出负载 Output Load	10TTL/ 50pf HCMOS (up to 24.0MHz) 10TTL/ 15pf HCMOS	
三态功能 Tristate Function (Pin 1 Has Internal Pull-up Resistor Allowing It to be Left Floating High.)	V _{IH} : 2.2v or Open Enables Output V _{IL} : 0.8v or Disables Output	
启用 \ 禁用时间	OutputEnable \ Disable Time:100ns max	
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)

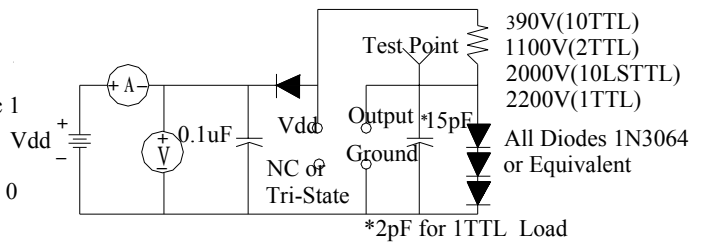
Pin	功能 Function
1	数控或三态 Nc or Tri-State
7	外壳接地 Case Ground
8	输出 Output
14	输入电压 Supply Voltage (V _{DD})



全尺寸 Full Size 14 Pin Dip



波形图 HCMOS/TTL Waveform



测试电路 TTL Test Circuit

订购须知 Order Information

HEOC21□ -Frequency- Temp.Range- Overall Freq.Stability-Duty Cycle-Option

HEOC21□	产品系列 Product Family Full Size 14 Pin Dip
	<ul style="list-style-type: none"> ■ HEOC21A for $+5.0 \pm 0.5 V_{DC}$ ■ HEOC21B for $+3.3 \pm 0.3 V_{DC}$
Frequency	频率 Frequency (MHz)
Temp.Range	工作温度 Operating Temperature
	<ul style="list-style-type: none"> ■ T₁ for 0°C~70°C ■ T₂ for -40°C~85°C ■ X for custom value
Overall	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 Tight Symmetry (45/55%) Duty Cycle B 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 : HEOC21A-20.000MHz--T₁-H₁-A-T

HEOC21A	产品系列 Full Size 14 Pin Dip $+5.0 \pm 0.5 V_{DC}$
20.000MHz	频率 Frequency \ f ₀ =20.000MHz
T₁	工作温度 Operating Temperature \ T ₂ =0°C~70°C
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 (45/55%) Duty Cycle
T	选型 Option \ N For No Connection

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