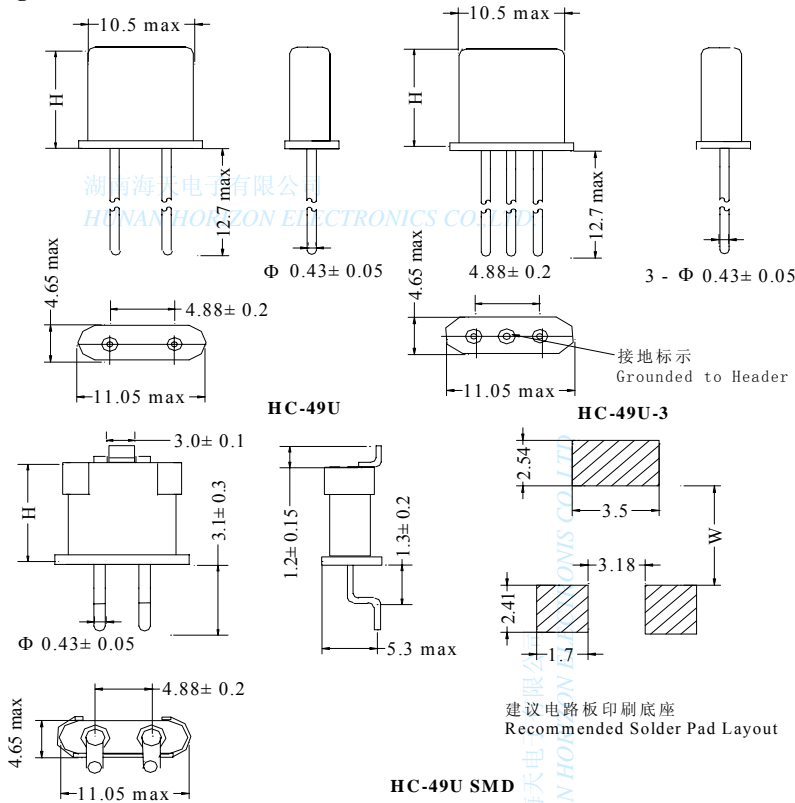


外形尺寸(单位:毫米)

Figure and Dimensions(Unit: mm)



产品特征 Features

- 频率宽 Wide Frequency Range
- 精度高 High Precision Availability
- 电阻低 Lower ESR than AT-Strip Crystals

“H”&“W”尺寸表格 (单位: 毫米)

“H”&“W”Dimension Table (Unit: mm)

HEX13□	Option		
	H ₁	H ₂	H ₃
A	13.46	11.58	9.83
B	13.46	11.58	9.83
C	13.46	11.58	9.83
	W ₁	W ₂	W ₃
	13.2	11.32	9.57

产品规格 Specification

电性能参数 Parameter	规格 Specification	
频率范围 Frequency Range	1.8432~160.000 MHz	
振动模式 Mode of Oscillation	基频 Fundamental	1.8432~45.000 MHz
	三次泛音 3 rd Overtone	24.000~80.000 MHz
	五次泛音 5 th Overtone	70.000~125.000 MHz
	七次泛音 7 th Overtone	120.000~160.000 MHz
工作温度 Operating Temperature	0℃~70℃ (See Options)	
储存温度 Storage Temperature	-40℃~85℃	
调整频差 Frequency Tolerance @ 25℃	±10 ppm~±50 ppm max (See Options)	
温度频差 Temperature Tolerance	±50ppm max (See Options) ±100ppm max. @ -10℃~60℃(FB)	
静态电容 Shunt Capacitance C ₀	7.0 pf max	
负载电容 Load Capacitance C _L	6 pf~ Series (Customer Specified)	
激励电平 Drive Level	100 uW Typical (1mW max)	
老化率 Ageing @ 25℃ Per Year	±3 ppm~±5ppm	
绝缘电阻 Insulation Resistance	500MΩ min .at 100V _{DC} ±15V	

等效电阻和振动模式 Equivalent Series Resistance(ESR) and Mode of Oscillation(Mode)

频率范围 MHz	等效电阻 Ω	振动模式	频率范围 MHz	等效电阻 Ω	振动模式
Freq.Range	Max ESR	Mode	Freq.Range	Max ESR	Mode
1.8432~2.999	500	Fund	13.000~32.000	25	Fund.
3.000~3.499	180	Fund	24.000~29.000	55	3 rd
3.500~3.999	140	Fund	30.000~79.000	35	3 rd
4.000~4.999	80	Fund	80.000~125.00	85	5 rd
5.000~5.999	70	Fund	120.00~160.00	120	7 rd
6.000~7.999	45	Fund			

订购须知 Order Information

HEX13□-Frequency-C_L-ESR-Mode-Freq.Tol.-Temp.Range-Stability-Packaging-Option

HEX13□	产品系列 ProductFamily HC-49U Series
	<ul style="list-style-type: none"> ■ A for HC-49U (for STD) ■ B for HC-49U-3 (for 3 Lead Base) ■ C for HC-49U-SMD (for SMD Clip)
Frequency	频率 Frequency(MHz)
C_L	负载 Load Capacitance or Series (pf)
ESR	等效电阻 (ESR) Equivalent Series Resistance \ R (Ω)
Mode	振动模式 Mode of Oscillation <ul style="list-style-type: none"> ■ F for fund AT ■ FB for fund BT ■ 3OT for 3rd overtone ■ X for custom value
Freq.Tol	调整频差 Frequency Tolerance @ 25℃ <ul style="list-style-type: none"> ■ H₁ for±10 ppm max ■ H₂ for±30ppm max ■ H₃ for±50ppm max ■ X for custom value
Temp.Range	工作温度 Operating Temperature <ul style="list-style-type: none"> ■ T₀ for-10℃~60℃ ■ T₁ for 0℃~70℃ ■ T₂ for -20℃~70℃ ■ T₃ for -40℃~85℃ ■ X for custom value
Stability	温度频差 Temperature Tolerance <ul style="list-style-type: none"> ■ W₁ for±10 ppm max ■ W₂ for±30ppm max ■ W₃ for±50ppm max ■ X for custom value
Packaging	包装 Packaging <ul style="list-style-type: none"> ■ T for Tape & Reel ■ P for Plastic Tray ■ B for Bulk
Option	选型 Option \ H _n & W _n (Unit: mm)

订购举例: Example : HEX13A-3.57950MHz-18-140R-F-H₂-T₂-W₂-B-H₁\ (H_n & W_n)

HEX13A	产品系列 ProductFamily HC-49U
3.57950MHz	频率 Frequency \ f ₀ =3.57950MHz
18	负载 Load Capacitance \ C _L =18 pf
140R	等效电阻 Equivalent Series Resistance (ESR) \ R=140 Ω
F	AT 基频 Fundamental \ 切角 AT-cut F= AT Fund.
H₂	调整频差 Frequency Tolerance \ H ₂ =±30 ppm
T₂	工作温度 Operating Temperature \ T ₂ =-20℃~70℃
W₂	温度频差 Temperature Tolerance \ W ₂ =±30 ppm
B	包装 Packaging for Bulk
H₁	选型 Option \ H ₁ =13.46 mm

[Http:// www.horizonxtal.com](http://www.horizonxtal.com)

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