

外形尺寸(单位:毫米)

Figure and Dimensions (Unit: mm)



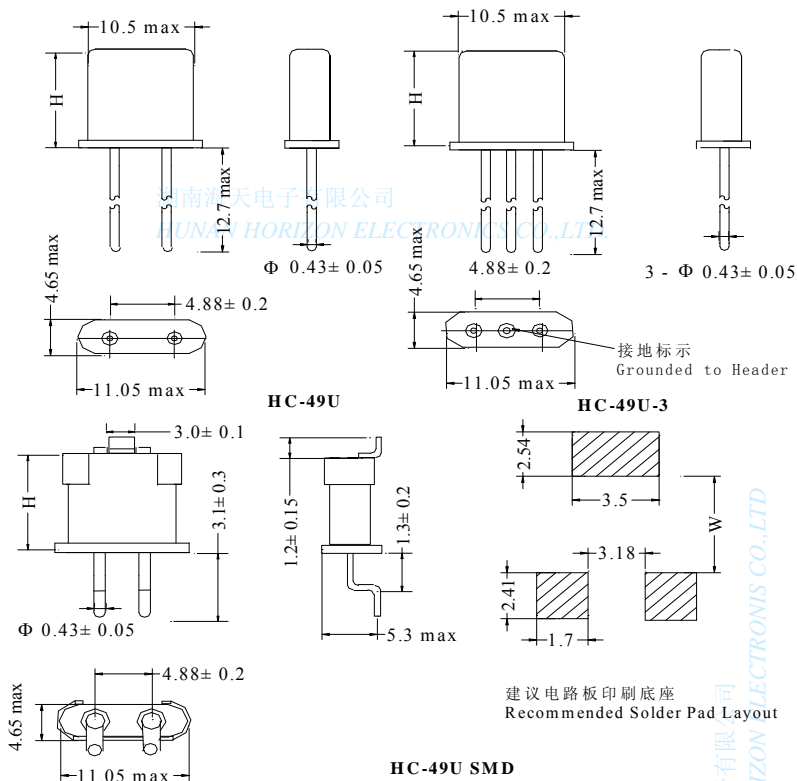
产品特征 Features

- 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□	H	W
A	13.46	13.2
B	11.58	11.32
C	9.83	9.57



建议电路板印刷底座
 Recommended Solder Pad Layout

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	基频 Fundamental 1.8432~45.000 MHz
Mode of Oscillation	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°C~70°C (See Options)
储存温度 Storage Temperature	-40°C~85°C
调整频差 Frequency Tolerance @ 25°C	±10 ppm~±50 ppm max (See Options)
温度频差 Temperature Tolerance	±50ppm max (See Options) ±100ppm max. @ -10°C~60°C(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 Aging @ 25°C 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

HEX13□	产品系列 ProductFamily HC-49U Series
	<ul style="list-style-type: none"> ■ N for STD ■ 3L for 3 Lead Base ■ S 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	切角 Type of Angle cuts
	<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°C
	<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°C~60°C ■ T₁ for 0°C~70°C ■ T₂ for -20°C~70°C ■ T₃ for -40°C~85°C ■ 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

湖南海天电子有限公司
HUNAN HORIZON ELECTRONICS CO.,LTD

订购举例: Example : HEX13A-3.57950MHz-18-140R-F-H₂-T₂-W₂-B

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	基频 Fundamental \ 切角 AT-cut F= AT
H₂	调整频差 Frequency Tolerance \ H ₂ =±30 ppm
T₂	工作温度 Operating Temperature \ T ₂ =-20°C~70°C
W₂	温度频差 Temperature Tolerance \ W ₂ =±30 ppm
B	包装 Packaging for Bulk

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

国际贸易 Horizon International Marketing	国内贸易 Horizon Domestic Marketing
E-mail: horizoncrystals@163.net	E-mail: hqq226@163.net
Fax: 0086 731 8442 2043	Fax: 0086 731 8805 0850
Tel: 0086 731 84423897 / 8222 4572	Tel: 0086 731 8805 0851 / 8805 0780