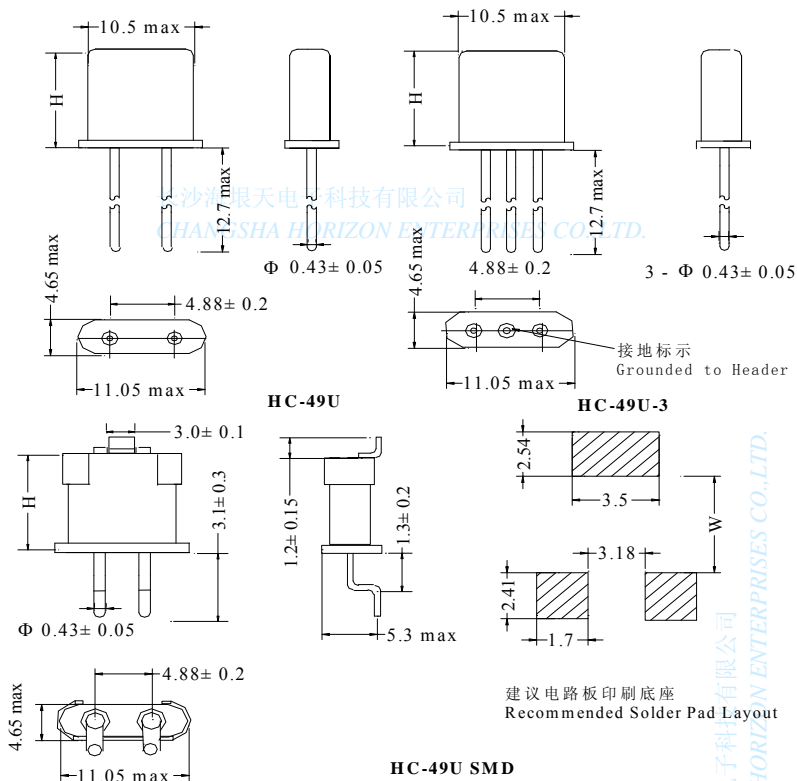


外形尺寸(单位:毫米)

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

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 <sup>rd</sup> Overtone	24.000~80.000 MHz
	五次泛音 5 <sup>th</sup> Overtone	70.000~125.000 MHz
	七次泛音 7 <sup>th</sup> 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 <sub>0</sub>		7.0 pf max
负载电容 Load Capacitance C <sub>L</sub>		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 <sub>DC</sub> ±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 <sup>rd</sup>
3.500~3.999	140	Fund	30.000~79.000	35	3 <sup>rd</sup>
4.000~4.999	80	Fund	80.000~125.00	85	5 <sup>rd</sup>
5.000~5.999	70	Fund	120.00~160.00	120	7 <sup>rd</sup>
6.000~7.999	45	Fund			

订购须知 Order Information

HEX13□ -Frequency-C<sub>L</sub>-ESR-Mode-Freq.Tol.-Temp.Range-Stability-Packaging

<b>HEX13□</b>	产品系列 ProductFamily HC-49U Series
	<ul style="list-style-type: none"> <li>■ N for STD</li> <li>■ 3L for 3 Lead Base</li> <li>■ S for SMD Clip</li> </ul>
<b>Frequency</b>	频率 Frequency( MHz)
<b>C<sub>L</sub></b>	负载 Load Capacitance or Series (pf)
<b>ESR</b>	等效电阻 (ESR) Equivalent Series Resistance \ R (Ω)
<b>Mode</b>	切角 Type of Angle cuts
	<ul style="list-style-type: none"> <li>■ F for fund AT</li> <li>■ FB for fund BT</li> <li>■ 3OT for 3<sup>rd</sup> overtone</li> <li>■ X for custom value</li> </ul>
<b>Freq.Tol</b>	调整频差 Frequency Tolerance @ 25°C
	<ul style="list-style-type: none"> <li>■ H<sub>1</sub> for±10 ppm max</li> <li>■ H<sub>2</sub> for±30ppm max</li> <li>■ H<sub>3</sub> for±50ppm max</li> <li>■ X for custom value</li> </ul>
<b>Temp.Range</b>	工作温度 Operating Temperature
	<ul style="list-style-type: none"> <li>■ T<sub>0</sub> for-10°C~60°C</li> <li>■ T<sub>1</sub> for 0°C~70°C</li> <li>■ T<sub>2</sub> for -20°C~70°C</li> <li>■ T<sub>3</sub> for -40°C~85°C</li> <li>■ X for custom value</li> </ul>
<b>Stability</b>	温度频差 Temperature Tolerance
	<ul style="list-style-type: none"> <li>■ W<sub>1</sub> for±10 ppm max</li> <li>■ W<sub>2</sub> for±30ppm max</li> <li>■ W<sub>3</sub> for±50ppm max</li> <li>■ X for custom value</li> </ul>
<b>Packaging</b>	包装 Packaging
	<ul style="list-style-type: none"> <li>■ T for Tape &amp; Reel</li> <li>■ P for Plastic Tray</li> <li>■ B for Bulk</li> </ul>

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订购举例: Example : HEX13A-3.57950MHz-18-140R-F-H<sub>2</sub>-T<sub>2</sub>-W<sub>2</sub>-B

<b>HEX13A</b>	产品系列 ProductFamily HC-49U
<b>3.57950MHz</b>	频率 Frequency \ f <sub>0</sub> =3.57950MHz
<b>18</b>	负载 Load Capacitance \ C <sub>L</sub> =18 pf
<b>140R</b>	等效电阻 Equivalent Series Resistance (ESR) \ R=140 Ω
<b>F</b>	基频 Fundamental \ 切角 AT-cut F= AT
<b>H<sub>2</sub></b>	调整频差 Frequency Tolerance \ H <sub>2</sub> =±30 ppm
<b>T<sub>2</sub></b>	工作温度 Operating Temperature \ T <sub>2</sub> =-20°C~70°C
<b>W<sub>2</sub></b>	温度频差 Temperature Tolerance \ W <sub>2</sub> =±30 ppm
<b>B</b>	包装 Packaging for Bulk

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

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