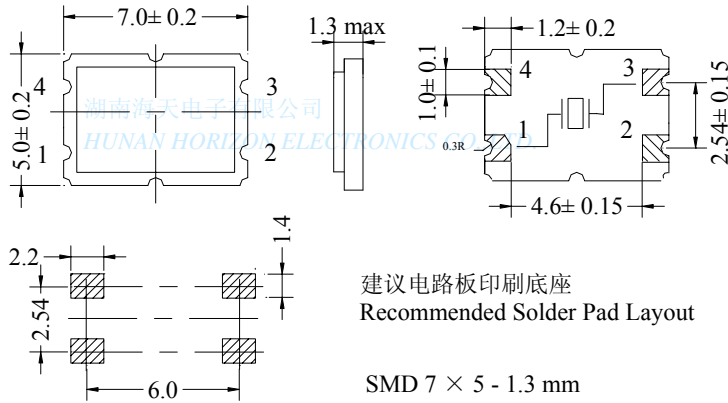


晶体谐振器 Crystals Resonators Unit  
 产品型号 HEX21 – SMD 7×5-1.3mm

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



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

SMD 7 × 5 - 1.3 mm



产品特征 Features

- 频率宽 Wide Frequency Range
- 精度高 High Precision Availability
- 可靠性强 High Reliability
- 质量好、体积小 High Quality , Space Saving
- 公差小、稳定性高 Tight Tolerance and Stability Available

产品规格 Specification

电性能参数 Parameter		规格 Specification
频率范围 Frequency Range		5.500 ~150.000 MHz.
振动模式 Mode of Oscillation	基频 Fundamental	5.500 ~40.000 MHz.
	三次泛音 3 <sup>rd</sup> Overtone	35.000~150.000 MHz
工作温度 Operating Temperature		-10℃~60℃ to -40℃~85℃
储存温度 Storage Temperature		-40℃~85℃ \ -55℃~125℃
等效电阻 Equivalent Series Resistance (ESR)	Fund.	100Ωmax for 5.5000~8.000 MHz
	Fund.	60Ωmax for 8.000~14.000MHz
	Fund.	40Ωmax for 14.000~35.000MHz
	3 <sup>rd</sup>	80Ωmax for 35.000~125.000MHz
调整频差 Frequency Tolerance @ 25℃		±10 ppm~±100 ppm ( See Options )
温度频差 Temperature Tolerance		±10 ppm~±100 ppm ( See Options )
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		100mW,100 uW Typical
老化率 Ageing @ 25℃ Per Year		±5ppm max
绝缘电阻 Insulation Resistance		500MΩ min .at 100V <sub>DC</sub> ±15V
回流焊接条件 Reflow Conditions		260℃±10℃ for 10sec max 2 reflows max

**订购须知 Order Information**

**HEX21-Frequency-C<sub>L</sub>-ESR-Mode-Freq.Tol.-Temp.Range-Stability-Packaging**

<b>HEX21</b>	产品系列 Product Family SMD 7×5 -1.3mm
<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>	振动模式 Mode of Oscillation
	<ul style="list-style-type: none"> <li>■ F for fund AT</li> <li>■ 3OT for 3<sup>rd</sup> overtone</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> </ul>

**订购举例: Example : HEX21-8.000MHz-16-80R-F-H<sub>2</sub>-T<sub>2</sub>-W<sub>2</sub>-T**

<b>HEX21</b>	产品系列 SMD 7×5 -1.3mm
<b>8.000MHz</b>	频率 Frequency \ f <sub>0</sub> =8.000MHz
<b>16</b>	负载 Load Capacitance \ C <sub>L</sub> =16 pf
<b>80R</b>	等效电阻 Equivalent Series Resistance (ESR) \ R=80 Ω
<b>F</b>	AT 基频 Fundamental \ 切角 AT-cut F= AT Fund.
<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>T</b>	包装 Packaging for Tape & Reel

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

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