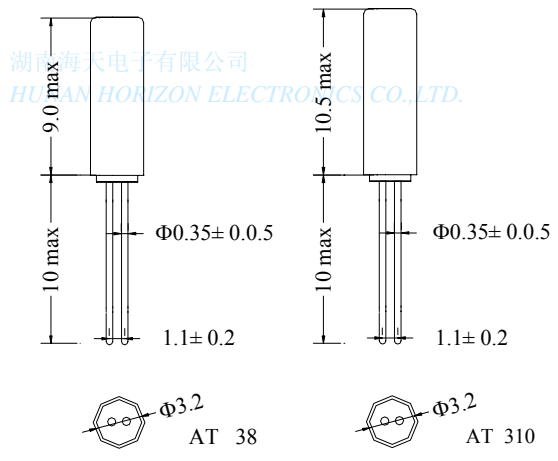


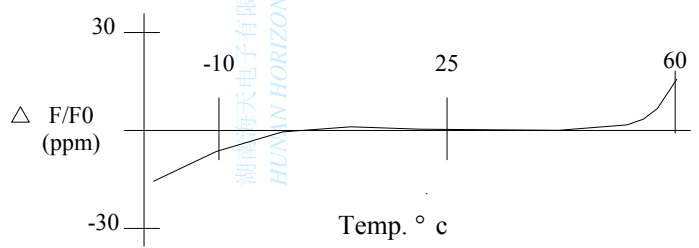
晶体谐振器 Crystals Resonators Unit  
 产品型号 HEX31 -AT38 & AT310

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



- 产品特征 Features
- 圆柱形晶体 Cylindrical Crystals
  - 频率宽 Wide Frequency Range
  - 微型高频率晶体 Miniature High-Frequency Crystals
  - 抗振动和抗冲击 Excellent Vibration and Shock Resistant

HEX31□	频率 Freq.(MHz)	高度 Height(mm)
A ( AT38)	> 4.0	9.0
B (AT310)	< 4.0	10.5



产品规格 Specification

电性能参数 Parameter	规格 Specification
频率范围 Frequency Range	3.579 ~ 70.000 MHz
振动模式 Mode of Oscillation	基频 Fund. 3.579 ~ 30.000 MHz 三次泛音 3 <sup>rd</sup> Overtone 30.000~70.000 MHz
工作温度 Operating Temperature	0°C~70°C ( See Options )
储存温度 Storage Temperature	-40°C ~ 85°C
等效电阻 Equivalent Series Resistance (ESR)	Fund. 50~200Ωmax for 3.579~30.000 MHz 3 <sup>rd</sup> 80~100Ωmax for 30.000~70.000 MHz 40Ωmax for 40.000~50.000MHz
调整频差 Frequency Tolerance @ 25°C	±30 ppm ( See Options )
温度频差 Temperature Tolerance	±50 ppm ( See Options )
静态电容 Shunt Capacitance C <sub>0</sub>	5.0 pf max
负载电容 Load Capacitance C <sub>L</sub>	8 pf~ Series (Customer Specified)
激励电平 Drive Level	100 uW Typical ( 1mW max)
老化率 Ageing @ 25°C Per Year	±5ppm max
绝缘电阻 Insulation Resistance	500MΩ min .at 100V <sub>DC</sub> ±15V

**订购须知 Order Information**

**HEX31□-Frequency-C<sub>L</sub>-ESR-Mode-Freq.Tol.-Temp.Range-Stability-Packaging**

<b>HEX31□</b>	产品系列 Product Family
	<ul style="list-style-type: none"> <li>■ A for AT38</li> <li>■ B for AT310</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>	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℃
	<ul style="list-style-type: none"> <li>■ H<sub>1</sub> for±10 ppm 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>1</sub> for -10℃~60℃</li> <li>■ T<sub>2</sub> for -20℃~70℃</li> </ul>
<b>Stability</b>	温度频差 Temperature Tolerance
	<ul style="list-style-type: none"> <li>■ W<sub>1</sub> for±50 ppm 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>■ TY for Tray Packing</li> </ul>

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

**订购举例: Example : HEX31B-3.579545MHz-18-180R-F-H<sub>1</sub>-T<sub>1</sub>-W<sub>1</sub>**

<b>HEX31B</b>	产品系列 AT310
	频率 Freq.< 4.0 MHz 高度 Height=10.5 mm
<b>3.579545MHz</b>	频率 Frequency \ f <sub>0</sub> =3.579545MHz
<b>18</b>	负载 Load Capacitance \ C <sub>L</sub> =18 pf
<b>180R</b>	等效电阻 Equivalent Series Resistance (ESR) \ R=180 Ω
<b>F</b>	AT 基频 Fundamental \ 切角 AT-cut F= AT Fund.
<b>H<sub>1</sub></b>	调整频差 Frequency Tolerance \ H <sub>1</sub> =±30 ppm
<b>T<sub>1</sub></b>	工作温度 Operating Temperature \ T <sub>1</sub> =-10℃~60℃
<b>W<sub>1</sub></b>	温度频差 Temperature Tolerance \ W <sub>1</sub> =±50 ppm
<b>T</b>	包装 Packaging for Tape & Reel

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

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