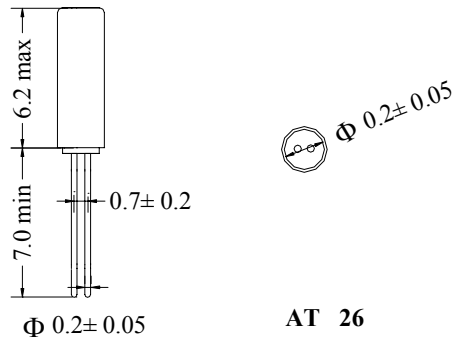
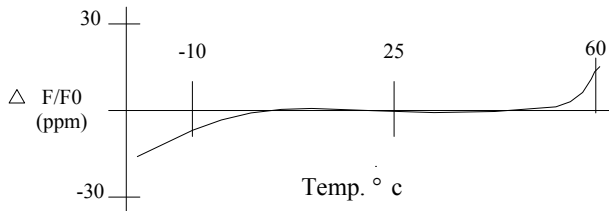


外形尺寸 Figure and Dimensions
 (单位:毫米 Unit: mm)



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



温度曲线图 Temperature Curve



产品特征 Features

- 圆柱形晶体 Cylindrical Crystals
- 频率宽 Wide Frequency Range
- 尺寸小 Compact in Size
- 空间成本低 Space Cost Saving
- 微型高频率晶体 Miniature High-Frequency Crystals
- 抗振动和抗冲击 Excellent Vibration and Shock Resistant

产品规格 Specification

电性能参数 Parameter	规格 Specification
频率范围 Frequency Range	12.000 ~ 27.000 MHz
振动模式 Mode of Oscillation	基频 Fund.
	3 rd Overtone
等效电阻	Fund. 120Ωmax for 12.000 MHz
Equivalent Series Resistance (ESR)	Fund. 100Ωmax for 14.31818 MHz
	3 rd 60Ωmax for 24.000~27.000MHz
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	±30 ppm (See Options)
温度频差 Temperature Tolerance	±50 ppm (See Options)
静态电容 Shunt Capacitance C ₀	5.0 pf max
负载电容 Load Capacitance C _L	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 _{DC} ±15V

订购须知 Order Information

HEX33-Frequency-C_L-ESR-Mode-Freq.Tol.-Temp.Range-Stability-Packaging

HEX33	产品系列 Product Family AT26
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 ■ 3OT for 3rd overtone
Freq.Tol	调整频差 Frequency Tolerance @ 25°C
	<ul style="list-style-type: none"> ■ H₁ for±10 ppm max ■ X for custom value
Temp.Range	工作温度 Operating Temperature
	<ul style="list-style-type: none"> ■ T₁ for -10°C~60°C ■ T₂ for -20°C~70°C
Stability	温度频差 Temperature Tolerance
	<ul style="list-style-type: none"> ■ W₁ for±50 ppm max ■ X for custom value
Packaging	包装 Packaging
	<ul style="list-style-type: none"> ■ T for Tape & Reel ■ TY for Tray Packing

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订购举例: Example : HEX33-12.000MHz-18-120R-F-H₁-T₁-W₁-T

HEX31	产品系列 AT310
12.000MHz	频率 Frequency \ f ₀ =12.000MHz
18	负载 Load Capacitance \ C _L =18 pf
120R	等效电阻 Equivalent Series Resistance (ESR) \ R=120 Ω
F	AT 基频 Fundamental \ 切角 AT-cut F= AT Fund.
H₁	调整频差 Frequency Tolerance \ H ₁ =±30 ppm
T₁	工作温度 Operating Temperature \ T ₁ =-10°C~60°C
W₁	温度频差 Temperature Tolerance \ W ₁ =±50 ppm
T	包装 Packaging for Tape & Reel

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

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