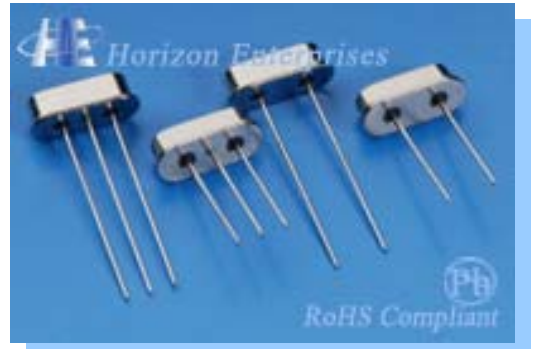
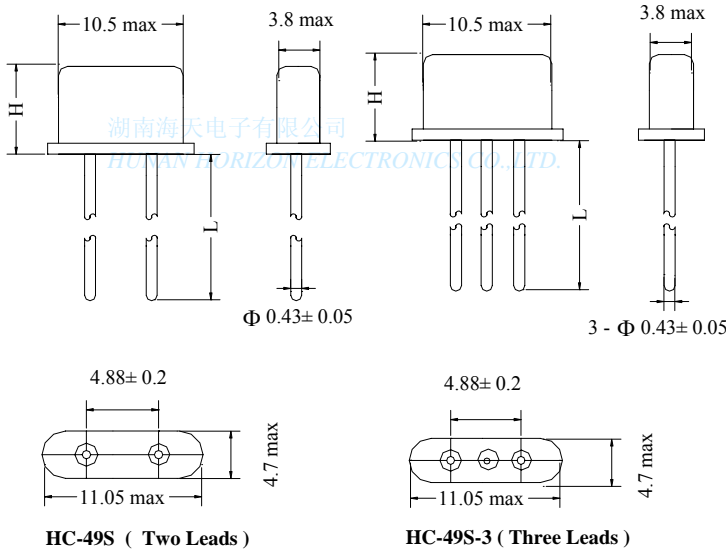


晶体谐振器 Crystals Resonators Unit
 产品型号 HEX14 - HC-49S & HC-49S-3

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
- 可靠性强 High Reliability
- 精度高、温区宽 Tight Stability & Extended Temperature Available.

“H” 尺寸表格 \ 单位：毫米

“H” Dimension Table \ Unit: mm

HEX14□	Option \ L (L ₁ & L ₂)		
	L ₁ =12.7 mm & L ₂ =20.0 mm		
	H ₁	H ₂	H ₃
A	2.5	3.0	3.5
B	2.5	3.0	3.5

产品规格 Specification

电性能参数 Parameter	规格 Specification
频率范围 Frequency Range	3.200~100.000 MHz
振动模式 Mode of Oscillation	基频 Fundamental 3.200~45.000 MHz 三次泛音 3 rd Overtone 24.000~100.000 MHz
工作温度 Operating Temperature	0℃~70℃ (See Options)
储存温度 Storage Temperature	-40℃~85℃
调整频差 Frequency Tolerance @ 25℃	±10 ppm~±50 ppm max(See Options)
温度频差 Temperature Tolerance	±50ppm max (See Options) ±100ppm max. @ -10℃~60℃(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 Ageing @ 25℃ 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
3.200~3.579	250	Fund.	7.000~9.999	60	Fund.
3.580~3.999	150	Fund.	10.000~13.999	50	Fund.
4.000~4.999	140	Fund.	14.000~40.000	40	Fund.
5.000~5.999	100	Fund.	24.000~100.000	100	3 rd
6.000~6.999	80	Fund.			

订购须知 Order Information

HEX14□-Frequency-C_L-ESR-Mode-Freq.Tol-Temp.Range-Stability-Packaging-Option

HEX14□	产品系列 Product Family HC-49S Series
	<ul style="list-style-type: none"> ■ A for HC-49S ■ B for HC-49S-3
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 ■ FB for fund BT ■ 3OT for 3rd overtone ■ X for custom value
Freq.Tol	调整频差 Frequency Tolerance @ 25℃
	<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℃~60℃ ■ T₁ for 0℃~70℃ ■ T₂ for -20℃~70℃ ■ T₃ for -40℃~85℃ ■ 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
Option	选型 Option \ H _n & L _n (Unit: mm)

订购举例: **Example : HEX14B-3.57950MHz-18-180R-F-H₂-T₂-W₂-B-H₁-L₁ (H_n & L_n)**

HEX14B	产品系列 Product Family HC-49S-3
3.57950MHz	频率 Frequency \ f ₀ =3.57950MHz
18	负载 Load Capacitance \ C _L =18 pf
180R	等效电阻 Equivalent Series Resistance (ESR) \ R=180 Ω
F	AT 基频 Fundamental \ 切角 AT-cut F= AT Fund.
H₂	调整频差 Frequency Tolerance \ H ₂ =±30 ppm
T₂	工作温度 Operating Temperature \ T ₂ =-20℃~70℃
W₂	温度频差 Temperature Tolerance \ W ₂ =±30 ppm
B	包装 Packaging for Bulk
H₁	选型 Option \ H ₁ =2.5 mm & L ₁ =12.7 mm

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

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