

# SA Series HC-49S Crystal

## FEATURE

- Resistance weld seal.
- A resistance weld completely sealed type.
- The tight frequency stability.
- Low cost.
- Versatile.
- Pb-free and RoHS/Green compliant.

## APPLICATIONS

- Ideally suited designed for Set-Top Box/Multimedia, modems, clock/VCXO multiplier, network adapter cards and remote control devices.

## Electrical Specifications 电气参数

型号	Holder Type	HC - 49S
频率范围	Frequency Range	3.200 to 100.000 MHz ※(See Notes 1)
调整频差	Frequency Tolerance (ΔF) (at25°C)	±10ppm to ±30ppm
温度频差	Frequency Drift	±10ppm to ±30ppm※(See Notes 2)
工作温度范围	Operating Temperature Range	-20°C - +70°C / -40°C - +85°C
储存温度范围	Storage Temperature Range	-40°C - +85°C/-55°C - +125°C
老化	Aging (25°C)	±3ppm/ year Maximum
静电容	Shunt Capacitance (C0)	7pF maximum
激励功率	Drive Level	100μW Typical
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at D.C100V
负载电容	Load Capacitance (CL)	Suggested by customer

※Notes 1:For 2.5mm height,lowest frequency is 10 MHz.

For 2.8mm height,lowest frequency is 6 MHz.

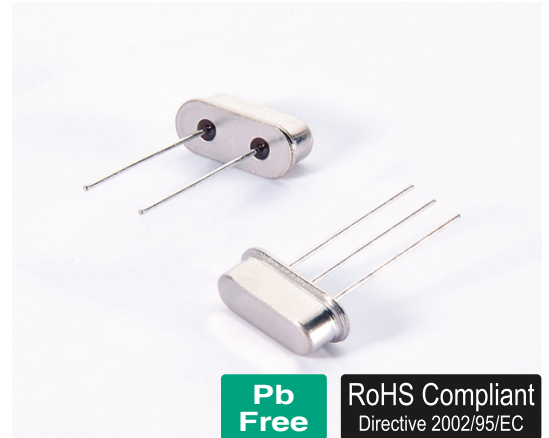
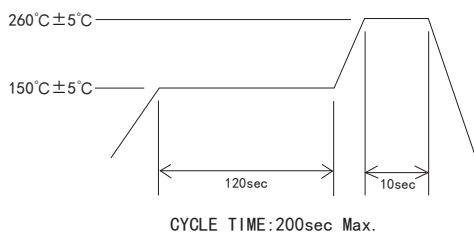
※Notes 2: ±10, ±20, ±30ppm (-20°C to +70°C)

±20, ±30, ±50ppm (-40°C to +85°C) or depends on customer

## Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
3.200 ≤ f < 3.579 MHz	250Max	基频Fundamental
3.579 ≤ f < 4.000 MHz	150Max	Fundamental
4.000 ≤ f < 5.000 MHz	120Max	Fundamental
5.000 ≤ f < 6.000 MHz	100Max	Fundamental
6.000 ≤ f < 7.000 MHz	80Max	Fundamental
7.000 ≤ f < 10.000 MHz	60Max	Fundamental
10.000 ≤ f < 14.000 MHz	50Max	Fundamental
14.000 ≤ f < 20.000 MHz	40Max	Fundamental
20.000 ≤ f < 48.000 MHz	30/40 (BT cut) Max	Fundamental
35.000 ≤ f < 40.000 MHz	100Max	三次泛音Third Overtone
40.000 ≤ f < 100.000 MHz	80Max	Third Overtone

## Reflow Condition(回流焊条件)



Pb Free

RoHS Compliant  
Directive 2002/95/EC

## Mechanical Dimensions 外型尺寸

