

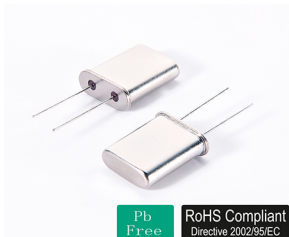
HC-49U Crystal

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, clock/VCO multiplier, network adapter cards.



Pb
Free

RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

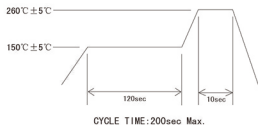
型号	Holder Type	HC - 49U
频率范围	Frequency Range	1.84320 to 100 MHz
调整频差	Frequency Tolerance (ΔF) (at 25°C)	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$
温度频差	Frequency Drift	$\pm 10\text{ppm}$ to $\pm 30\text{ppm}$ (See Notes)
工作温度范围	Operating Temperature Range	-20°C ~ +70°C / -40°C ~ +85°C
储存温度范围	Storage Temperature Range	-40°C ~ +85°C / -55°C ~ +125°C
老化	Aging (25°C)	$\pm 5\text{ppm/year}$ Maximum
静电容	Shunt Capacitance (C0)	7pF maximum
激励功率	Drive Level	100 μW 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: ± 10 , ± 20 , $\pm 30\text{ppm}$ (-20°C to +70°C)
 ± 20 , ± 30 , $\pm 50\text{ppm}$ (-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

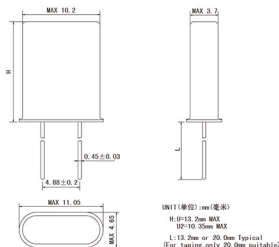
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
1.8432 $\leq f < 1.999$ MHz	500Max	基频 Fundamental
2.000 $\leq f < 2.456$ MHz	450Max	Fundamental
2.457 $\leq f < 2.999$ MHz	350Max	Fundamental
3.000 $\leq f < 3.999$ MHz	90Max	Fundamental
4.000 $\leq f < 4.999$ MHz	70Max	Fundamental
5.000 $\leq f < 7.999$ MHz	60Max	Fundamental
8.000 $\leq f < 9.999$ MHz	30Max	Fundamental
10.000 $\leq f < 50.000$ MHz	25Max	Fundamental
24.000 $\leq f < 100.000$ MHz	40Max	三次泛音 Third Overtone

Reflow Condition (回流焊条件)

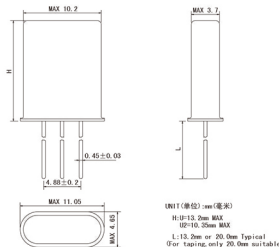


Mechanical Dimensions 外型尺寸

U: TWO LEADS (两引线) UNIT (单位): mm (毫米)



UB: THREE LEADS (三引线) UNIT (单位): mm (毫米)



SZT

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