

## 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.



Pb Free

RoHS Compliant  
Directive 2002/95/EC

## Electrical Specifications 电气参数

型号	Holder Type	HC - 49USM
频率范围	Frequency Range	3.200 to 100.000 MHz ※(See Notes 1)
调整频差	Frequency Tolerance ( $\Delta F$ ) (at25°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 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)	$\pm 3\text{ppm}/\text{year}$ Maximum
静电容	Shunt Capacitance (C0)	7pF maximum
激励功率	Drive Level	100 $\mu\text{W}$ 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:For 3.0mm height, lowest frequency is 10 MHz.

For 3.2mm & 3.5mm height, lowest frequency is 6 MHz.

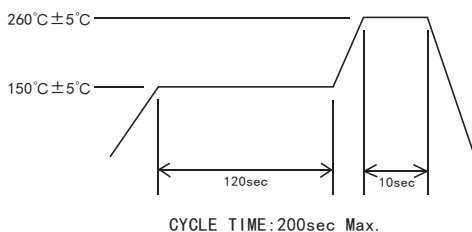
※Notes 2:  $\pm 10$ ,  $\pm 20$ ,  $\pm 30\text{ppm}$  (-20°C to +70°C)  
 $\pm 20$ ,  $\pm 30$ ,  $\pm 50\text{ppm}$  (-40°C to +85°C) or depends on customer

## Equivalent Series Resistance and Mode of Operation

### 等效阻抗和振荡模式

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

## Reflow Condition(回流焊条件)



## Mechanical Dimensions 外型尺寸

Drawing For M

