SM Series HC-49SMD **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

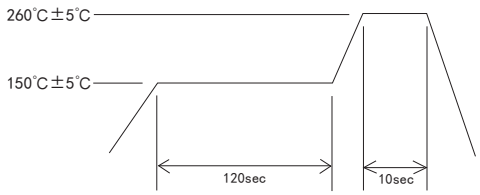
型号	Holder Type	HC - 49SMD
频率范围	Frequency Range	3.200 to 100.000 MHZ ※(See Notes 1)
调整频差	Frequency Tolerance（△F） (at25℃)	±10ppm to ±30ppm
温度频差	Frequency Drift	±10ppm to ±30ppm※(See Notes 2)
工作温度范围	Operating Temperature Range	-20℃ - +70℃ / -40℃ - +85℃
储存温度范围	Storage Temperature Range	-40℃ - +85℃/-55℃ - +125℃
老化	Aging (25℃)	±3ppm/ year Maximum
静电容	Shunt Capacitance (C0)	7pF maximum
激励功率	Drive Level	100μW Typical
绝缘阻抗	Insulaton 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: ±10, ±20, ±30ppm (-20℃ to +70℃)
±20, ±30, ±50ppm (-40℃ to +85℃) 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)

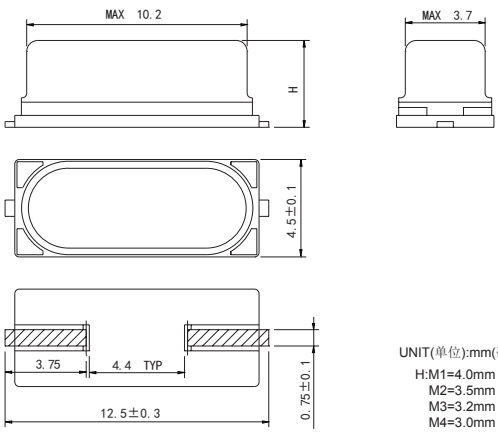


CYCLE TIME:200sec Max.

●Mechanical Dimensions 外型尺寸

TWO PADS(两焊盘)

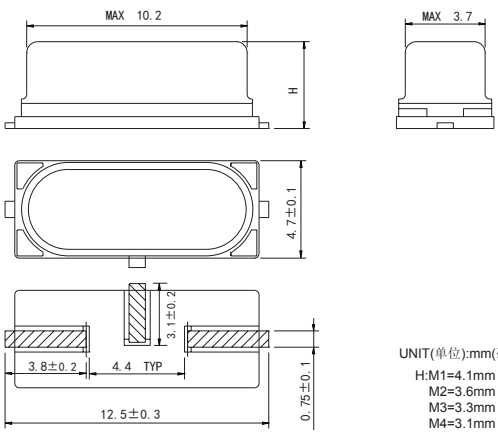
UNIT(单位):mm(毫米)



UNIT(单位):mm(毫米)
H:M1=4.0mm MAX
M2=3.5mm MAX
M3=3.2mm MAX
M4=3.0mm MAX

THREE PADS(三焊盘)

UNIT(单位):mm(毫米)



UNIT(单位):mm(毫米)
H:M1=4.1mm MAX
M2=3.6mm MAX
M3=3.3mm MAX
M4=3.1mm MAX

SCTF
The above specifications are standard for SCTF product
If you have special requirement please Contact SCTF sales with your enquiries
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