

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer: _____

货 名 Description: _____ 49SSMD 石英晶体谐振器

客户料号 Part No : _____

物料编号 Code No: _____ 49SAT080000201060

频 率 Frequency: _____ 8.000MHz

日 期 Date: _____ 2023 年 04 月 1 4 日

备 注 Note: RoHS compliance with Directive (EU) 2015/863

制作(Prepare by)	检查(Check by)	批准 (Approve by)
江丹娜	甘瑛	张刚

客户批准 Approve by customer	
批准日期 Approval date	

Add:广东省深圳市华发北路桑达工业区桑达雅苑 7P

7 P Sangda Yayuan Huafa North Road, Futian District, Shenzhen, Guangdong

Tel: 86-755-83048260

86-755-83048290

Fax: 86-755-83048280

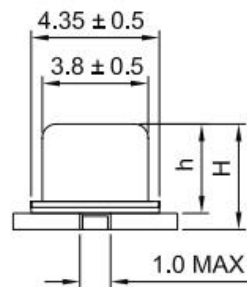
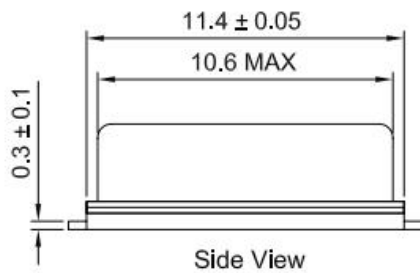
1、 Specifications

1	规格型号 Holder Type	49SSMD
2	标称频率 Nominal Frequency	8.000MHz
3	振动模式 Mode of Oscillation	基频
4	调整频差 Frequency Tolerance at 25℃	±10ppm
5	温度频差 Temperature Frequency Stability	±30ppm
6	工作温度 Operating Temperature Range	-40~85℃
7	贮存温度 Storage Temperature Range	-40~90℃
8	负载电容 Load Capacitance	20pF
9	静电容 Shunt capacitance	≤7 pF
10	等效电阻 Equivalent Series Resistance	6 0 Ω Max
11	激励功率 Drive Level	100 uw(Max)
12	绝缘阻抗 Insulation Resistance	500MΩ min./DC100V
13	年老化率 Aging	±3ppm/1st Year

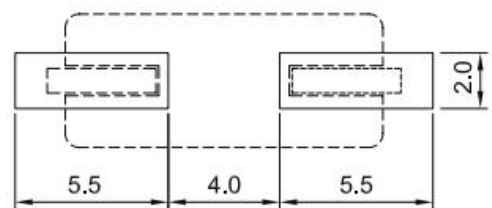
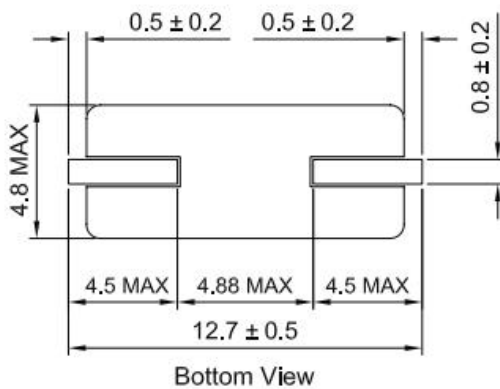
2、 Frequency stability over temperature range (AT cut)

Temperature Range	Frequency Stability							
	±3PPM	±5PPM	±7.5PPM	±10PPM	±20PPM	±30PPM	±50PPM	±70PPM
0℃~+50℃	☆	☆	☆	☆	☆	☆	☆	☆
-10℃~+60℃			☆	☆	☆	☆	☆	☆
-20℃~+70℃				☆	☆	☆	☆	☆
-30℃~+70℃					☆	☆	☆	☆
-40℃~+85℃						☆	☆	☆
-40℃~+125℃						☆	☆	☆

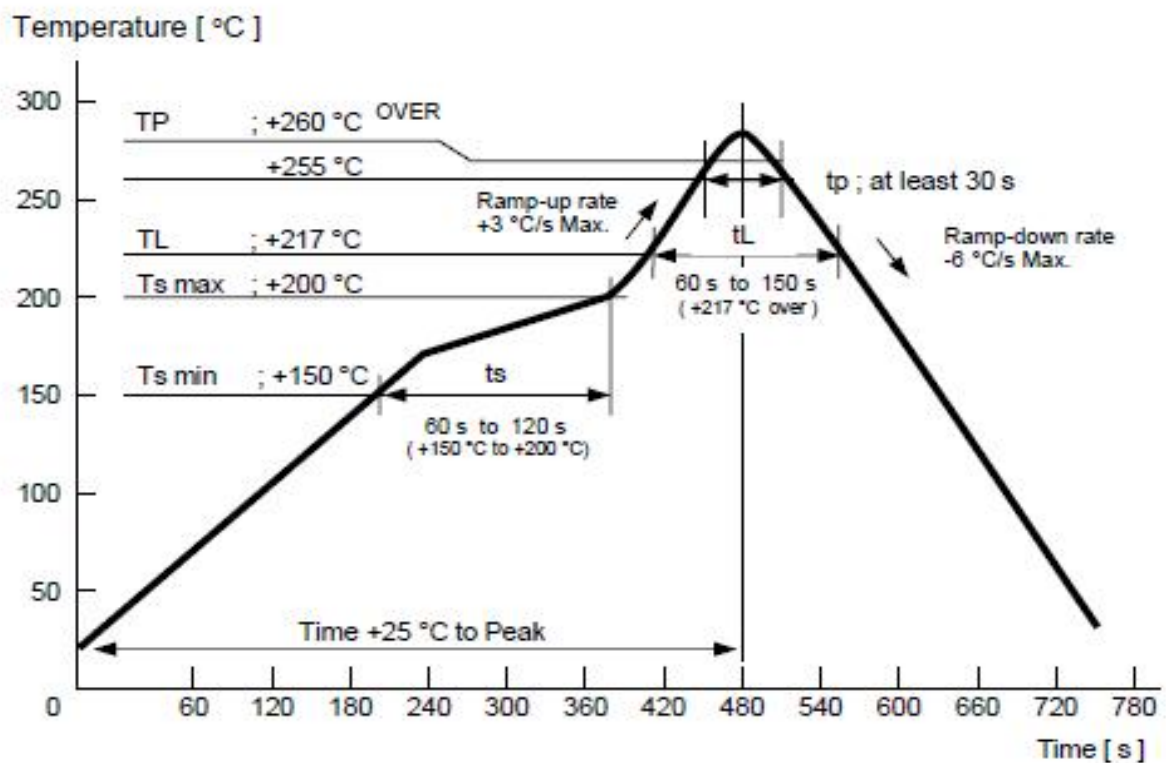
3、Dimensions (unit:mm)



TYPE	H(SMD HIGH)	h(BODY HIGH)
A	3.8±0.3	3.3±0.3
B	3.0±0.3	2.0±0.3



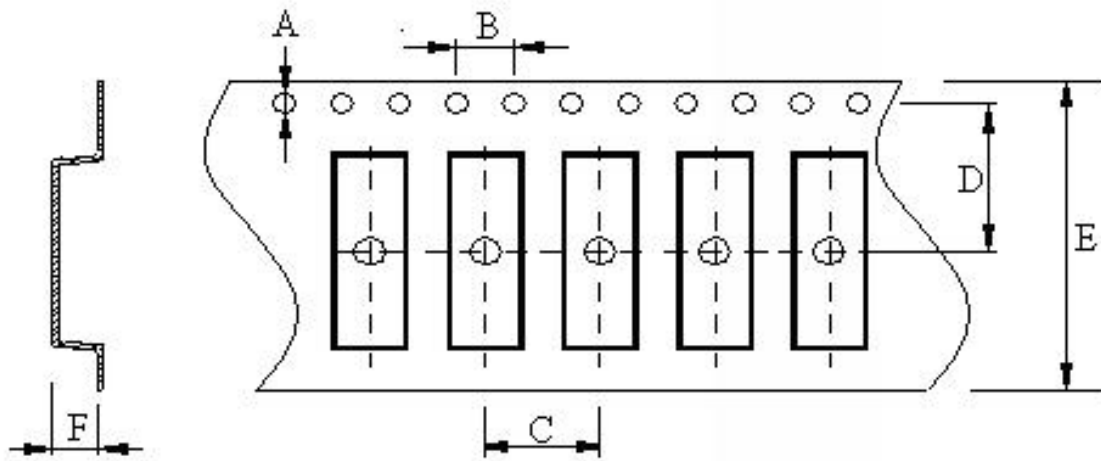
4、Recommended Reflow profile



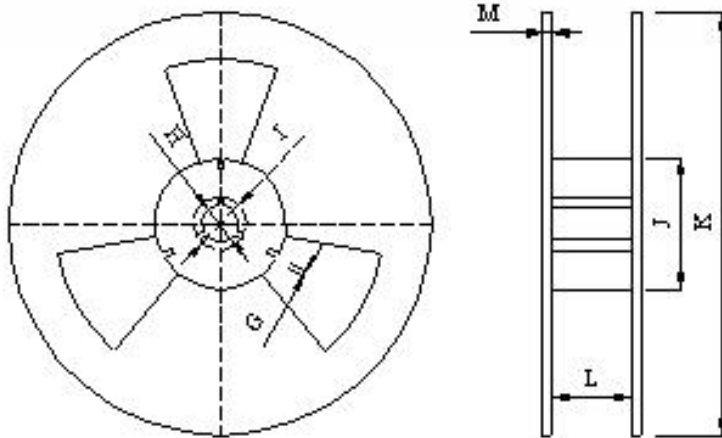
5、Reliability specifications

NO	Item	Condition	Standard
1.	Drop Test	Free drop from 75cm height on a hard wooden board for 3 times. (Board is thickness more than 30 mm.)	Frequency change: ≤5ppm Rr as specification
2.	Mechanical Shock	Half sine wave, 1000G, 0.5mS, three times for all 3 directions	Frequency change: ≤5ppm Rr as specification
3.	Vibration	Frequency range:10~55hz Amplitude:1.52mm Sweep time:1mintutes perpendicular axes each test time:2Hrs	Frequency change: ≤5ppm Rr as specification
4.	Solderability	Temperature:245℃±5℃ Immersing depth:0.5mm minimum Immersion time:5±1sec. Flux:Rosin resin methyl alcohol solvent(1:4)	90% exhibit tin ok
5.	Resistance to soldering heat	Test temperature:260℃±5℃ Test time :10±1sec.	Frequency change: ≤10ppm Rr as specification
6.	High Temp & Humidity	85±3℃ & RH85%, 500±12 hours	Frequency change: ≤10ppm Rr as specification
7.	Low temperature storage	-40±3℃, 500±12 hours	Frequency change: ≤10ppm Rr as specification
8.	High temperature storage	+85±3℃, 500±12 hours	Frequency change: ≤10ppm Rr as specification
9.	Temperature cycling	-40±3℃/10min~+85±3℃/10min, 100cycles	Frequency change: ≤10ppm Rr as specification

6、Tape & Reel (unit: mm)



A	B	C	D	E	F
1.55 ± 0.1	4.0 ± 0.1	12.0 ± 0.1	11.5 ± 0.1	24.0 ± 0.3	3.5 ± 0.2



G	H	I	J	K	L	M
2.2 ± 0.5	13.0 ± 0.2	20.2 ± 1.0	100.0 ± 1.0	330 ± 2.0	24.5 ± 0.3	2.3 ± 0.5

7、Packing

1. 每盘数量 Capacity of a plastic reel : 1000 PCS
2. 每内箱数量 Capacity per inner box : 1000 PCS (A reel inner)
3. 每大箱数量 Capacity per outer carton : 10000 PCS (10× inner box) .

