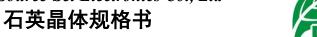


规格书编号/ID:

物料描述/

# 四川索斯特电子有限公司

# Sichuan Source-Set Electronics Co., Ltd





### **CRYSTAL UNIT SPECIFICATIONS**

# 规格书

## **SPECIFICATIONS**

M82020A

Product Description: 8M 20PF 20PPM	-
料号/ Part Number: <u>S47SMD8.000M20PF20R30B3</u>	_
制作人/	
Approved by: <u>莫平</u> 会	_
审核人/ Checked by: 陈晓群	_
日期/ 盖章/ Date:	
客户签署/ Customer signature required	
公司名称/ Company:	
客户料号/ Customer Part Number:	
承认人/ Approved by:	
批准人/ Confirmed by:	
日期/ Date:	
盖章/ Stamp:	



## Sichuan Source-Set Electronics Co., Ltd 石英晶体规格书



### **CRYSTAL UNIT SPECIFICATIONS**

### 一、电性能参数 ELECTRICAL PARAMETERS:

No.	特性 Characteristic	范围 Limits	备注 Remark
1	产品型号 Ackage Type	SST-M49SSMD	
2	标称频率 Nominal Frequency	8.000MHz	
3	振动模式 Mode of Vibration	AT—Fund(基频)	
4	常温频差 Frequency Tolerance	±20ppm	25±3℃ 测试 Measure at 25℃±3℃
5	工作温度范围 Operating Temperature Range	-20°C~+70°C	
6	频率稳定度 Frequency Stability	±30ppm	
7	储存温度范围 Storage Temperature Range	-40℃~+85℃	
8	负载电容 Load capacitance	20pF	
9	谐振电阻 Equivalent Series Resistance	100 Ω max	
10	激励功率 Drive Level	100 μ W max	
11	绝缘电阻 Insulation Resistance	<b>500M</b> Ω	At 250V <sub>DC</sub>
12	静电容 Shunt Capacitance	5pF max	
13	年老化率 Aging Per Year	±5ppm	
14			
15			
16			
17			
18			



## Sichuan Source-Set Electronics Co., Ltd 石英晶体规格书



### **CRYSTAL UNIT SPECIFICATIONS**

### 二、可靠性试验 Reliability test

No.	测试项目 Intem	测试条件 Test Conditions	判定标准 Basis of Verdict
1	跌落冲击 Drop	75cm 高度自由下落到 3cm 厚度的硬质木板 3 次 3 Times Free Fall from 75cm height table to 3cm thickness hard wood board	△FL≤±5ppm, △R≤ 5ohm or ≤10%
2	模拟回流焊 Reflow	240°C≤T≤265°C t=60±30s T=260°C±5°C t=40±10s T(max)= 265°C	△FL≤±5ppm, △R≤ 5ohm or ≤10%
3	可焊性 Solder	260℃±5℃焊锡槽浸润 3±0.5 秒 Temperature: 260℃±5℃ Time: 3±0.5 Seconds	新锡覆盖率≥90% the solder immersion surface≥90%
4	耐焊接热 Solder Heating	280℃±5℃焊锡槽浸润 10±1 秒 Temperature: 280℃±5℃ Time: 10±1Seconds	△FL≤±5ppm, △R≤ 5ohm or ≤10%
5	高温储存 High temperature storage	100℃±2℃烘箱中烘烤 96±1 小时 Temperature: 100℃±5℃ Time: 96±1 Hours	△FL≤±5ppm, △R≤ 5ohm or≤10%
6	高温老化 High temperature ageing	85℃±5℃之烘箱中烘烤 30 天 Temperature: 85℃±5℃,Time: 30days	△FL≤±5ppm, △R≤ 5ohm or≤10%
7	低温储存 Low temperature storage	-40℃±2℃环境中保持 96±1 小时 Temperature: -40℃±2℃ Time: 96±1 Hours	△FL≤±5ppm, △R≤ 5ohm or≤10%
8	恒温恒湿 Humidity	在湿度为 90 <sup>~</sup> 95%, 温度为 40±2℃环境中保持 96 小时 Temp: 40℃±2℃, Humidity: 90~95% Times: 96 Hours	△FL≤±5ppm, △R≤ 5ohm or≤10%
9	振动 Vibration	频率: 10~50Hz,幅度: 0.75mm 频率: 50Hz~500Hz,加速度幅度: 98m/s2 周期: 10-500-10Hz, 15min 振动方向: X、Y、Z 振动时间:每个方向2小时 Frequency: 10~50Hz, Amplitude: 0.75mm Frequency: 50~500Hz, Amplitude: 98m/s2 Cycle time: 10-500-10H, 15min Direction: X、Y、Z Duration: 2 Hours /direction	△FL≤±5ppm, △R≤ 5ohm or≤10%



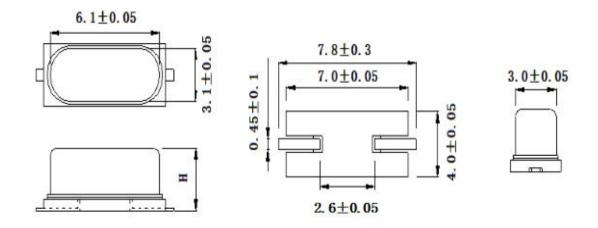
# Sichuan Source-Set Electronics Co., Ltd

### 石英晶体规格书



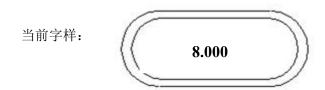
#### **CRYSTAL UNIT SPECIFICATIONS**

### 三、外形尺寸 Outline Dimensions (unit: mm)



NO.	规格	Н
1.	M49S -SMD	2.3Max

#### 四、印字 Marking





# Sichuan Source-Set Electronics Co., Ltd

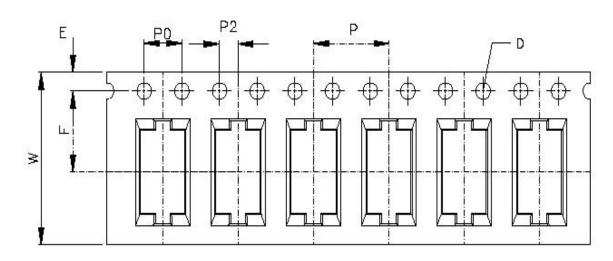
## 石英晶体规格书

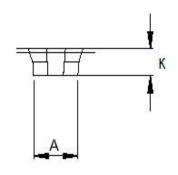


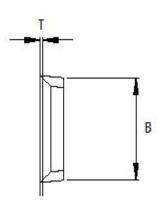
### **CRYSTAL UNIT SPECIFICATIONS**

#### 五、包装方式 Packing

T/R: 3000pcs/ REEL







单位 units: mm:

Model	A	В	D	Е	F	P	P0	Т	W
SST-47SMD	$4.7 \pm 0.1$	$9.5\pm0.1$	Ф1.5	$1.75 \pm 0.1$	$7.5 \pm 0.1$	$8.0 \pm 0.1$	$4.0\pm0.1$	$0.3 \pm 0.05$	16±0.3



## Sichuan Source-Set Electronics Co., Ltd 石英晶体规格书



### **CRYSTAL UNIT SPECIFICATIONS**

SPEC1	12	16	24	32	44	56	72	88
C1±1	330	330	330	330	330	330	330	330
<b>A</b> ±0.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
B±0.2	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
H+2.0	12.5	16.5	24.5	32.5	44.5	56.5	72.5	88.5
T±0.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
D±0.5	ø100							

