



规 格 书 **SPECIFICATIONS**

规格书编号/

ID: _____

物料描述/

Product Description: 5032 11.0592M 20PF 20PPMB

料号/

Part Number: S503211.0592M20PF20PPMB

制作人/

Approved by: 莫平会

审核人/

Checked by: 陈晓群

日期/

Date: 2025/12/26 盖章/

Stamp: _____

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: _____

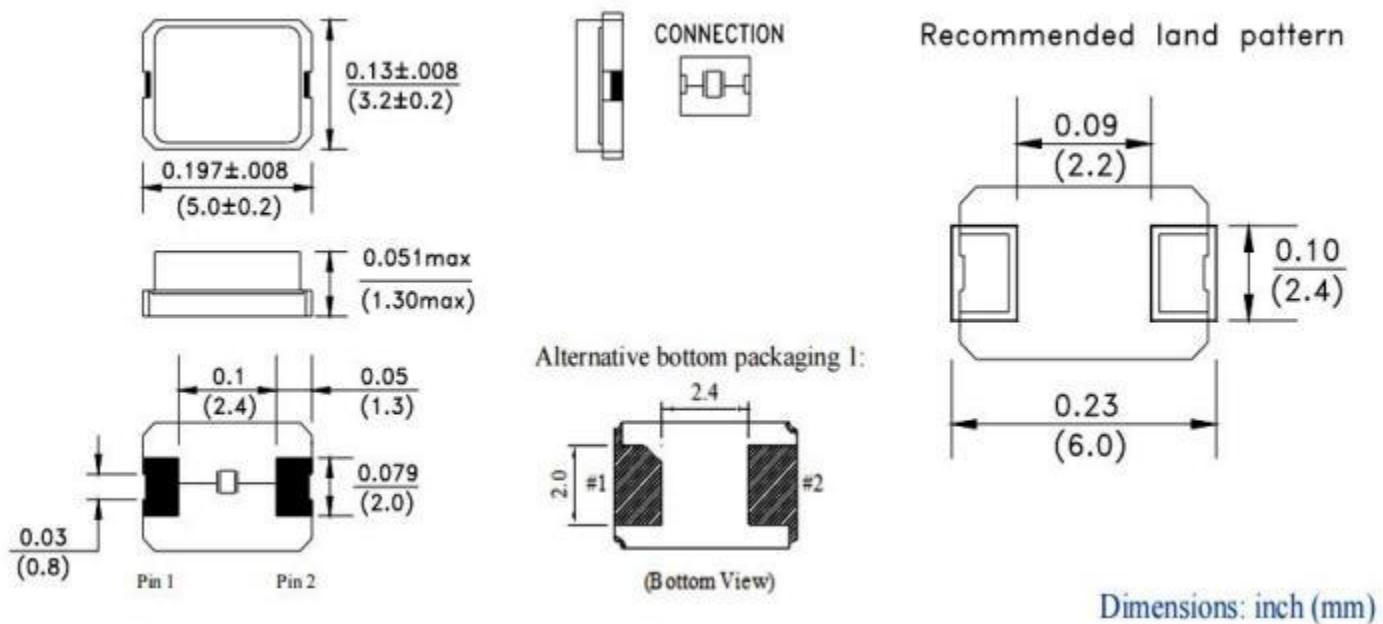
盖章/

Stamp: _____

1、电性能参数 Electrical performance parameter

| | |
|---------------------------------------|--|
| 标准频率 (Standard Frequency) | 11.0592MHz |
| 振动模式 (Mode of Vibration) | Fundamental |
| 激励功率 (Drive Level) | 0.01mw |
| 负载电容 (Load Capacitance) | 20pf |
| 调整频差 (Frequency Tolerance)) | ±20ppm (at25°C ±2°C) |
| 静电容 (Shunt Capacitance) | 1.40±0.15PF |
| 工作温度范围 (Operating Temperature Range) | -40°C ~ +85°C |
| 频率稳定度 (Frequency Stability)) | ±20ppm From: -40°C~ +85°C |
| 储藏温度范围 (Storage Temperature Range) | -40°C~ +125°C |
| 年老化率 (Aging First year) | ±5ppm |
| 电阻 (Resistance) | 45 Ω |
| RLD2 | 45Ω Max |
| DLDH2 | 5 Ω Max |
| DLD2 | 9 Ω Max |
| DLD 扫描范围 | 0.01 μ w~200 μ w, 34steps 200 μ w~0.01 μ w, 34steps |
| FDLD | 7ppm Max |
| FDLDH | 5 Ω Max |
| SPDB | -6dB Max |

2、产品尺寸 Product dimension



3、可靠性 Reliability

| NO | Item | Condition | Standard |
|-----|----------------|---|---|
| 3.1 | Drop Test | "75cm for 3 times on hardboard" | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.2 | AGING 125°C | AGING 125°C one day AGING 125°C two days AGING 125°C four days | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.3 | IR Reflow | Pre-heating: 150°C to 200°C, 60~120 secs Heating: 217°C, 60~150 secs | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.4 | Mech Shock | 1500g,half-sine,0.5ms,each axis for 3 times. | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.5 | Soldering Heat | 260 $+\text{-}5^\circ\text{C}$ for 10 $+\text{-}1$ sec | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.6 | Thermal Shock | '-55°C,125°C; soak time is 10 mins, with total 200 cycles | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |
| 3.7 | Vibration Test | 10~2000Hz,1.52mm,20g,each axis for 4 hrs | Freq. $\leq \pm 5\text{ppm}$, $\Delta\text{ESR} \leq \pm 2\Omega$ or $\leq \pm 20\%$ |

4、包装 packaging

Tape and reel (1,000pcs/reel)

