

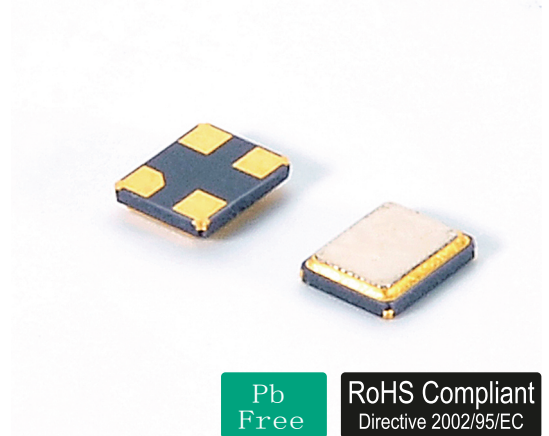
3.2x2.5 SMD Crystal

FEATURE

- Rugged AT-cut crystal construction.
- Miniature 3.2×2.5mm ceramic package.
- Designed for automatic mounting and reflow soldering.
- Embossed tapping specification.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for Bluetooth wireless communication sets, HDD, DSN, PDA, GPS, Digital Tuner, Wireless LAN and mobile phone.



Pb Free

RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

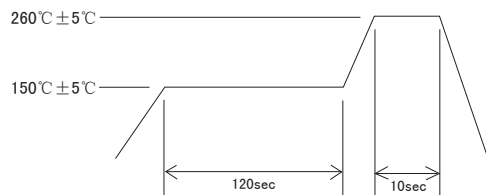
| 型号 | Holder Type | 3.2x2.5mm Ceramic Surface Mount |
|--------|---|--|
| 频率范围 | Frequency Range | 12MHz to 54MHz |
| 调整频差 | Frequency Tolerance (ΔF) (at25°C) | ± 10 ppm to ± 30 ppm |
| 温度频差 | Frequency Drift | ± 10 ppm to ± 30 ppm*(See Notes) |
| 工作温度范围 | Operating Temperature Range | -20°C - +70°C / -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) | ± 3 ppm/ year max. |
| 静电容 | Shunt Capacitance (C0) | 3pF max. |
| 激励功率 | Drive Level | 10 μ w (100 μ W max.) |
| 绝缘阻抗 | Insulation Resistance (Rs) | 500 Megaohms Minimum at D.C100V |
| 负载电容 | Load Capacitance (CL) | Suggested by customer |

※Notes: ± 10 , ± 20 , ± 30 ppm (-20°C to +70°C)
 ± 20 , ± 30 , ± 50 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

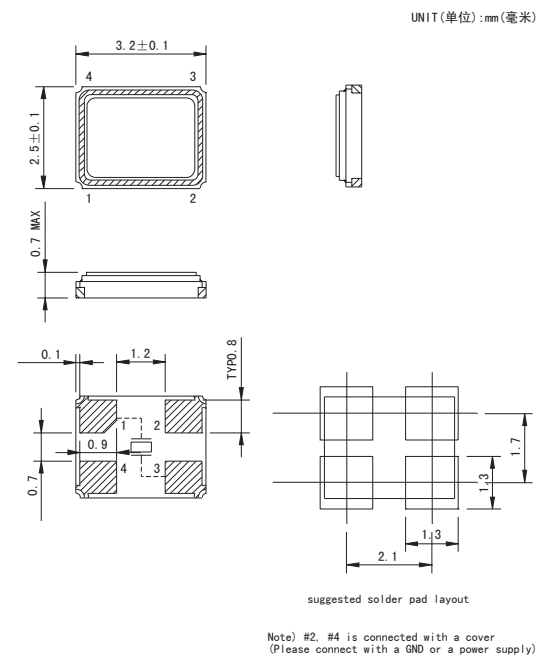
| Frequency Range 频率范围 | ESR () 等效阻抗 | Mode 振荡模式 |
|---------------------------|------------------|-------------|
| 12.000MHz ≤ f < 16.000MHz | 100 Ω max | Fundamental |
| 16.000MHz ≤ f < 20.000MHz | 80 Ω max | Fundamental |
| 20.000MHz ≤ f < 24.000MHz | 60 Ω max | Fundamental |
| 24.000MHz ≤ f < 54.000MHz | 40 Ω max | Fundamental |

Reflow Condition(回流焊条件)



CYCLE TIME: 200sec Max.

Mechanical Dimensions 外型尺寸



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