

## 1.6x1.2 SMD Crystal

### FEATURE

- Rugged AT-cut crystal construction.
- Miniature 1.6x1.2mm ceramic package.
- Designed for automatic mounting and reflow soldering.
- Embossed taping 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

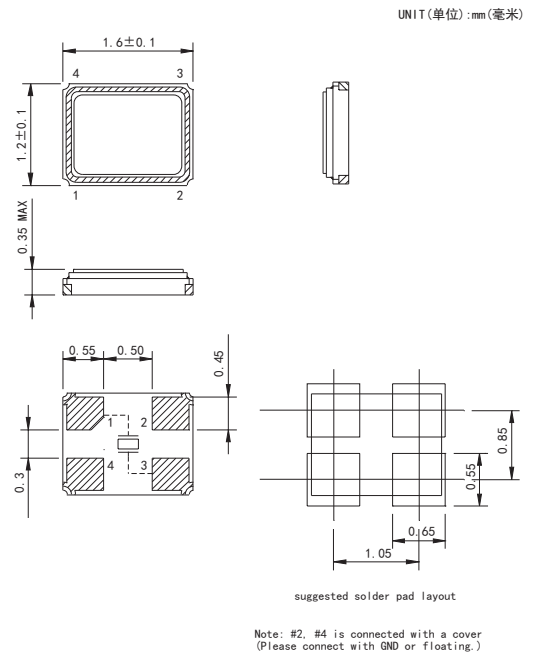
| 型号     | Holder Type                        | 1.6x1.2mm Ceramic Surface Mount |
|--------|------------------------------------|---------------------------------|
| 频率范围   | Frequency Range                    | 24.000MHz to 54.000MHz          |
| 调整频差   | Frequency Tolerance (ΔF) (at 25°C) | ±10ppm to ±30ppm                |
| 温度频差   | Frequency Drift                    | ±10ppm to ±30ppm※(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)                       | ±3ppm/ year max.                |
| 静电容    | Shunt Capacitance (C0)             | 3pF max.                        |
| 激励功率   | Drive Level                        | 10μW (100μW 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, ±30ppm (-20°C to +70°C)  
±20, ±30, ±50ppm (-40°C to +85°C) or depends on customer

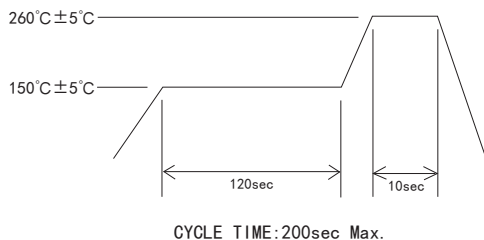
### Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

| Frequency Range 频率范围      | ESR (Ω) 等效阻抗 | Mode 振荡模式   |
|---------------------------|--------------|-------------|
| 24.000MHz ≤ f < 32.000MHz | 150Ω max     | Fundamental |
| 32.000MHz ≤ f < 38.000MHz | 100Ω max     | Fundamental |
| 38.000MHz ≤ f < 54.000MHz | 80Ω max      | Fundamental |

### Mechanical Dimensions 外型尺寸



### Reflow Condition (回流焊条件)



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