

7.0x5.0 SMD Crystal



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产品规格书 SPECIFICATION

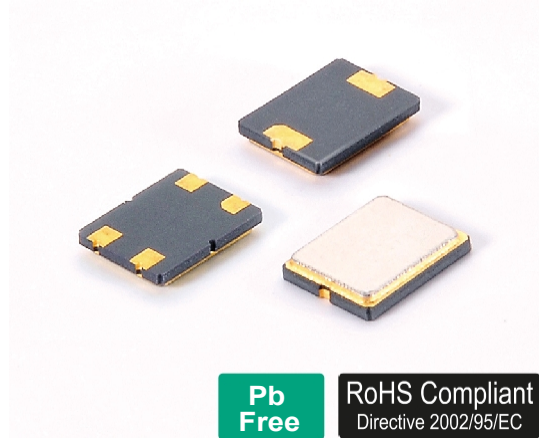
标题 Title: 石英晶体谐振器规格书 QUARTZ CRYSTAL SPECIFICATION

FEATURE

- Rugged AT-cut crystal construction.
- Extremely compact SMD package.
- High precision characteristic covering up to high frequency range.
- Automatic mounting.
- Embossed taping specification.
- Reflow soldering.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for disc drives, PCMCIA, PCs and hand-held electronic products.



Pb Free

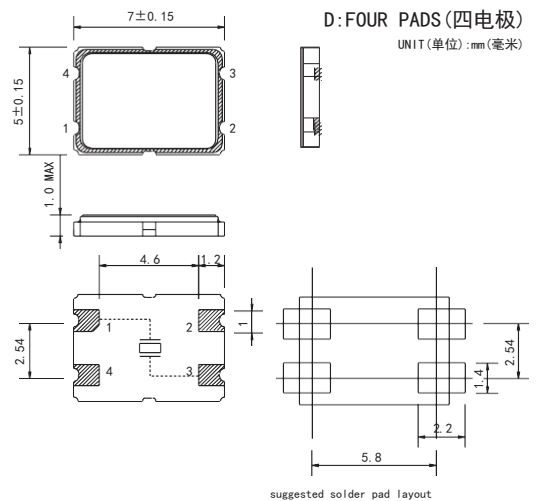
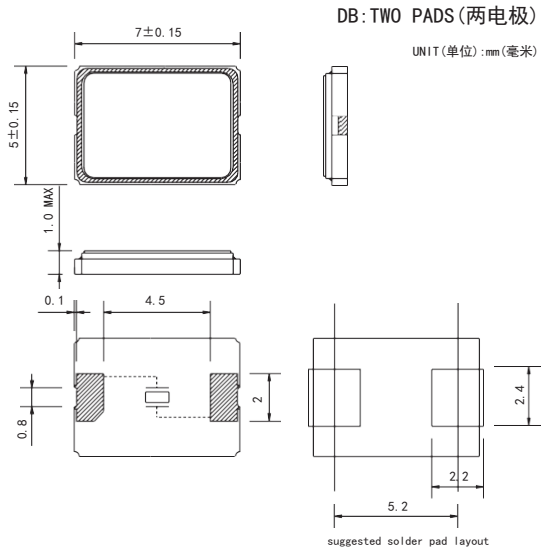
RoHS Compliant
Directive 2002/95/EC

Electrical Characteristics 技术指标

| 型号 | Holder Type | 7.0x5.0mm Ceramic Surface Mount |
|--------|--|---|
| 频率范围 | Frequency Range | 5.500 to 150.000 MHz |
| 调整频差 | Frequency Tolerance (ΔF) (at 25°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) | 7pF max. |
| 激励功率 | Drive Level | 100 μ W (300 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

Mechanical Dimensions 外型尺寸



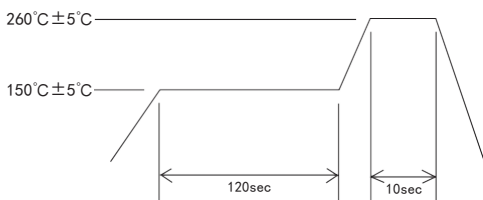
Note: #2, #4 is connected with a cover (Please connect with GND or floating.)

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 |
|--------------------------------|-----------------------|---------------------|
| 5.500MHz \leq f < 8.000 MHz | 100Max | 基频 Fundamental |
| 8.000MHz \leq f < 10.000MHz | 60Max | Fundamental |
| 10.000MHz \leq f < 14.000MHz | 50Max | Fundamental |
| 14.000MHz \leq f < 20.000MHz | 40Max | Fundamental |
| 20.000MHz \leq f < 40.000MHz | 30Max | Fundamental |
| 35.000 to 150.000MHz | 80Max | 三次泛音 Third Overtone |

Reflow Condition (回流焊条件)



CYCLE TIME: 200sec Max.