

Crystal Unit

HC-49SMD



Applications Features

- Industrial Control
- Dimensions: 11.4 x 4.5 x 3.8mm
- Surface Mount Type Crystal Units
- Standard Frequency: 3.2768 ~ 32MHz



Specifications (规格参数)

| Item | Symbol | Specifications |
|--|--------|----------------------------------|
| Nominal Frequency Range (额定频率范围) | f_nom | 3.2768 ~ 32MHz |
| Vibration Mode (震动模式) | - | AT Fundamental |
| Load Capacitance (负载电容) | CL | 12pF, 20pF, or specify |
| Frequency Tolerance (频率偏差) (at 25°C) | f_tol | ±10ppm, ±20ppm, or specify |
| Frequency Versus Temperature Characteristics (频率-温度特性) | f_tem | ±20ppm, or specify |
| Operating Temperature (工作温度) | T_use | -20~+70°C, -40~+85°C, or specify |
| Storage Temperature (储存温度) | T_stg | -40~+85°C |
| Shunt Capacitance (静态电容) | C0 | 7pF Max |
| Level of Drive (激励电平) | DL | 1~500µW Max (100µW typical) |
| Aging (老化) (at 25°C) | f_age | ±3ppm/year Max |

Equivalent Series Resistance (等效串联电阻(ESR))

| HC-49SMD | | | |
|---------------|----------|------------|---------|
| 3.2768 ~ 4MHz | 180Ω Max | 6 ~ 7MHz | 80Ω Max |
| 4 ~ 5MHz | 120Ω Max | 7 ~ 10MHz | 60Ω Max |
| 5 ~ 6MHz | 100Ω Max | 10 ~ 32MHz | 40Ω Max |

Dimensions and Recommended Land Pattern (外观尺寸及推荐焊盘)

| Dimensions (Unit: mm) | Recommended Land Pattern (Unit: mm) |
|-------------------------------------|-------------------------------------|
| <p>Side View</p> <p>Bottom View</p> | |

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