

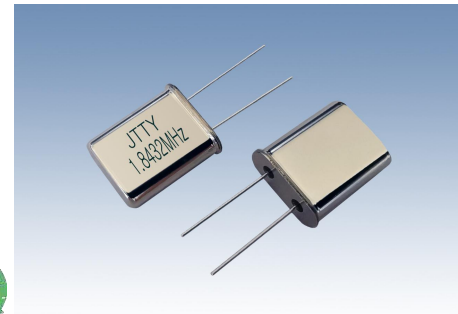
HC-49U Resistance Weld Crystal

产品特点 FEATURES

- 为CPU提供优秀的时钟信号
Excellent Clock Signal Generator For CPUs
- 优秀的老化率
Excellent Aging
- 可选用的频率范围广泛
Wide Frequency Range Available
- 采用晶体切割技术
Cut Crystal
- 成本较低
Low Cost for Standard

应用范围 APPLICATION

- 消费类电子产品
Consumer electronics
- 工业设备
Industrial equipment
- 军用设备
Military equipment
- 通讯设备
Communication equipment



| | 参数 | Parameter | 单位 | 条件 | 最小值 | 典型 | 最大值 | 备注 | Note | | |
|---------------------------------------|----------------------|--------------------------------|--|----------------------------|------------|------------|---------------------------------|---------------------------------|--------------|---------|----------|
| | | | Unit | Condition | Min | Typ | Max | | | | |
| 电气特性 Electrical | 频率范围 | Frequency Range | MHz | | 1 | | 300 | | | | |
| | 标称频率 | Nominal Frequency | MHz | | | | | 自定义 | Custom | | |
| | 频率精度 | Frequency Tolerance | ppm | @25°C | ±5 | | ±50 | 注 1 | Note 1 | | |
| | 频率稳定度 | Frequency Stability | ppm | | ±5 | | ±100 | 注 2 | Note 2 | | |
| | 工作温度范围 | Operating Temp. Range | °C | | | -20 ~ +70 | | 标准 | Standard | | |
| | | | | | | -40 ~ +85 | | 工业控制 | Extended | | |
| | | | | | | -40~+125 | | 汽车 | Car | | |
| | | | | | | -55 ~ +125 | | 汽车及军工 | Car&Military | | |
| | 存储温度 | Storage Temp.Range | °C | | -55 ~ +125 | | | | | | |
| | 静电容 | Shunt Capacitance(C0) | pF | | | | 9.0 | | | | |
| | 谐振电阻 | Equival. SeriesResistance(ESR) | Ω | | 5 | | 600 | | | | |
| | 负载电容 | Load Capacitance(CL) | pF | 客户指定 Customer Specified | 6~50 & ∞ | | | 其他可选用 OtherOptions Available | | | |
| | 激励功率 | Drive Level | μW | | 10 | 100 | 1000 | | | | |
| 老化率 | Aging Per Year | ppm | @25°C | | | ±3.0 | | | | | |
| 绝缘电阻 | Insulation Restsance | MΩ | 在100V直流电 At 100VDC | 500 | | | | | | | |
| -40 | 温度范围稳定性 | | Stability Temp.Ranges | | 典型的温度特性 | | | | | | |
| | | | | | ±5 ppm | ±10 ppm | ±15 ppm | ±20 ppm | ±25 ppm | ±50 ppm | ±100 ppm |
| | | | | | Y | Y | Y | Y | Y | Y | Y |
| | | | | | | Y | Y | Y | Y | Y | Y |
| | | | | | | | | Y | Y | Y | Y |
| | | | | | | | | Y | Y | Y | Y |
| 环境和机械 Environmental And Mechanical | 机械冲击 | Mechanical Shock | 100g, 6ms,产生半正弦波脉冲。(3个方向, X,Y,Z)* 100g for 6ms,half Sinewave pulse,3 Shocks in each of 3 axes* | | | | | | | | |
| | 密封 | Hermetic Seal | 标准大气压下, 氦气泄漏速度小于 5×10 ⁻⁸ ccm/s Leak rate less than 5×10 ⁻⁸ atm. ccm/s of helium | | | | | | | | |
| | 焊接条件 | Soldering Conditions | 260°C, 最长时间为10s | | | | 260°C, for 10s max | | | | |
| | 温度循环 | Temperature Cycle | -55°C 到 +125°C, 10-100 周期. | | | | -55°C to +125°C, 10-100 Cycles. | | | | |

备注:

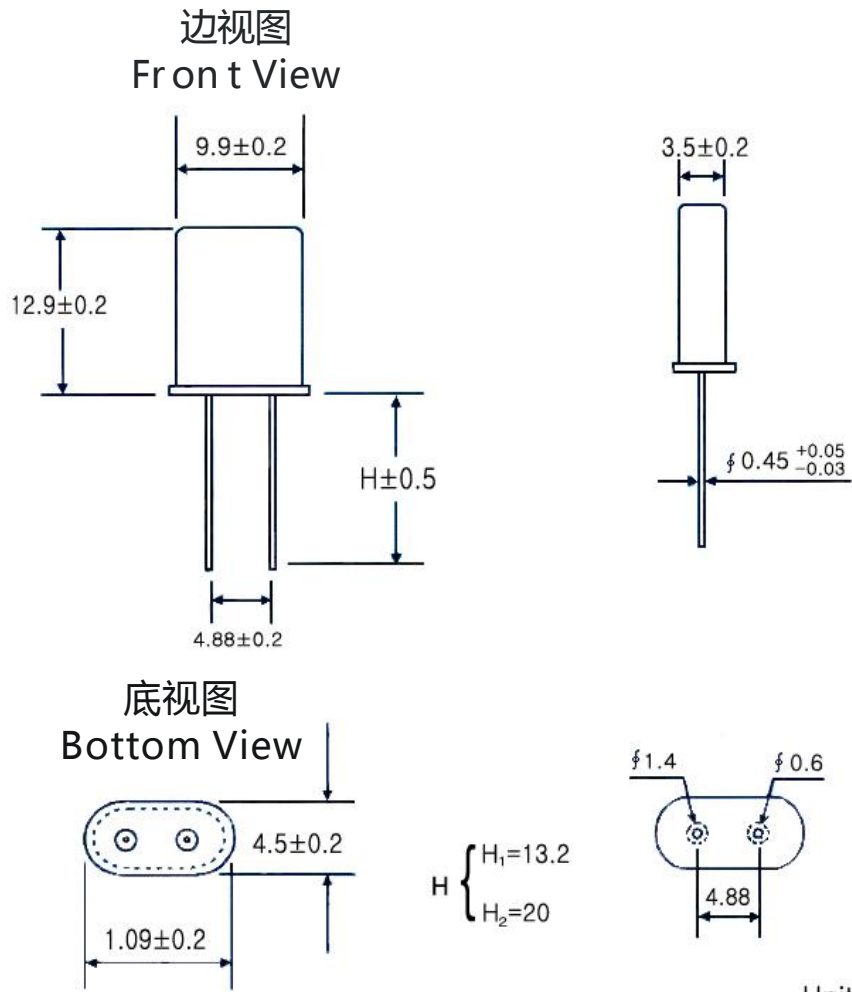
1. 可选 ±5ppm ~ ±50ppm 范围内的公差
2. 稳定性取决于温度范围, 从 ±5ppm ~ ±100ppm.
3. 所有规格如有更改, 恕不另行通知.
4. *为定制产品

Notes:

1. Available to meet ±5ppm to ±50ppm tolerances.
2. Stability depends on temp ranges, from ±5ppm to ±100ppm.
3. All specifications are subject to change without notice.
- 4.*Customized products

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Product Data Sheet



所有尺寸是典型的，另有规定除外

All dimensions are typical unless otherwise specified