

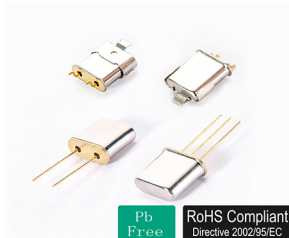
UM-5 Crystal

FEATURE

- Resistance weld completely sealed type.
- The frequency stability is good, the reliability is high.
- Copes with high density mounting and is the optimum for mass production.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- This type crystal units is designed for small mounting space and high Stability. It can be used in mobile communication(cordless phone, pagersBP). Also have the best ability against shock.



Electrical Specifications 电气参数

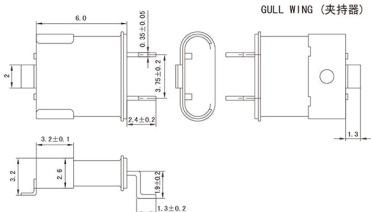
| 型号 | Holder Type | UM - 5 |
|--------|----------------------------------|---------------------------------|
| 频率范围 | Frequency Range | 10.000 to 100 MHz |
| 调整频差 | Frequency Tolerance (△F) (at25℃) | ±10ppm to ±30ppm |
| 温度频差 | Frequency Drift | ±10ppm to ±30ppm※ (See Notes) |
| 工作温度范围 | Operating Temperature Range | -20℃ ~ +70℃ / -40℃ ~ +85℃ |
| 储存温度范围 | Storage Temperature Range | -40℃ ~ +85℃ / -45℃ ~ +125℃ |
| 老化 | Aging (25℃) | ±3ppm/ year Maximum |
| 静电容 | Shunt Capacitance (C0) | 7pF maximum |
| 激励功率 | Drive Level | 100μW Typical |
| 绝缘阻抗 | Insulation Resistance (Rs) | 500 Megohms Minimum at D.C 100V |
| 负载电容 | Load Capacitance (CL) | Suggested by customer |

※Notes: ±10, ±20, ±30ppm (-20℃ to +70℃)
±20, ±30, ±50ppm (-40℃ to +85℃) or depends on customer

Equivalent Series Resistance and Mode of Operation

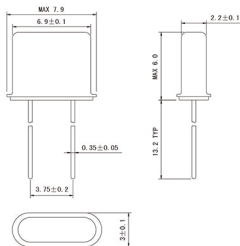
等效阻抗和振荡模式

| Frequency Range 频率范围 | ESR (Ω) 等效阻抗 | Mode 振荡模式 |
|-------------------------|--------------|--------------------|
| 10.000 ≤ f < 14.000 MHz | 50Max | 基频Fundamental |
| 14.000 ≤ f < 20.000 MHz | 40Max | 基频Fundamental |
| 14.000 ≤ f < 40.000 MHz | 30Max | 基频Fundamental |
| 20.000 to 100.000 MHz | 40Max | 三次泛音Third Overtone |

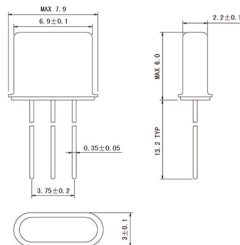


Mechanical Dimensions 外形尺寸

TWO LEADS (两引线) UNIT (单位): mm (毫米)



THREE LEADS (三引线) UNIT (单位): mm (毫米)



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