

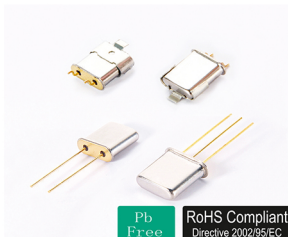
UM-1 Crystal

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.



Pb
Free

RoHS Compliant
Directive 2002/95/EC

Electrical Specifications 电气参数

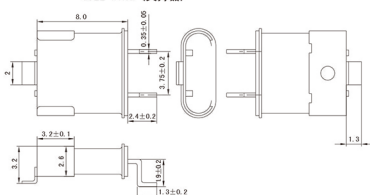
型号	Holder Type	UM - 1
频率范围	Frequency Range	8.000 to 100 MHz
调整频差	Frequency Tolerance (ΔF) (at25℃)	±10ppm to ±30ppm
温度频差	Frequency Drift	±10ppm to ±30ppm※(See Notes)
工作温度范围	Operating Temperature Range	-20℃ ~ +70℃ / -40℃ ~ +85℃
储存温度范围	Storage Temperature Range	-40℃ ~ +85℃/-55℃ ~ +125℃
老化	Aging (25℃)	±3ppm/ 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 Megaohms Minimum at 100V.D.C
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

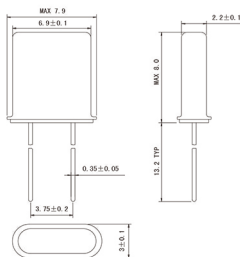
Frequency Range 频率范围	ESR (Ω) 等效阻抗	Mode 振荡模式
8.000 ≤ f < 12.000 MHz	25Max	基频Fundamental
12.000 ≤ f < 50.000 MHz	30Max	基频Fundamental
24.000 ≤ f < 100.000 MHz	40Max	三次泛音Third Overtone

GULL WING (夹持器)



Mechanical Dimensions 外型尺寸

TWO LEADS (两引线) UNIT (单位): mm (毫米)



THREE LEADS (三引线) UNIT (单位): mm (毫米)

