

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.



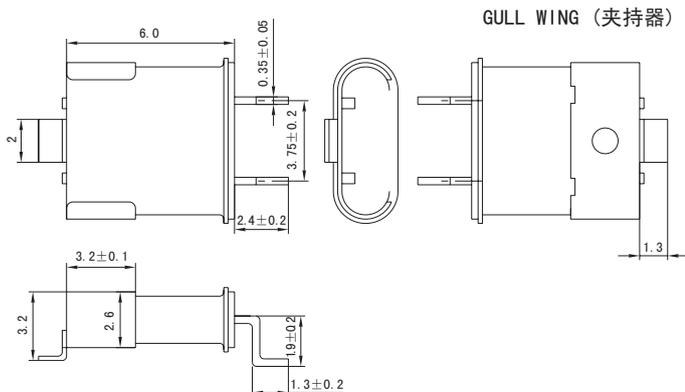
Electrical Specifications 电气参数

型号	Holder Type	UM - 5
频率范围	Frequency Range	10.000 to 100 MHz
调整频差	Frequency Tolerance (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 / -45°C - +125°C
老化	Aging (25°C)	± 3 ppm/ year Maximum
静电容	Shunt Capacitance (C0)	7pF maximum
激励功率	Drive Level	100 μ W Typical
绝缘阻抗	Insulation Resistance (Rs)	500 Megaohms Minimum at D.C 100V
负载电容	Load Capacitance (CL)	Suggested by customer

※Notes: $\pm 10, \pm 20, \pm 30$ ppm (-20°C to +70°C)
 $\pm 20, \pm 30, \pm 50$ ppm (-40°C to +85°C) or depends on customer

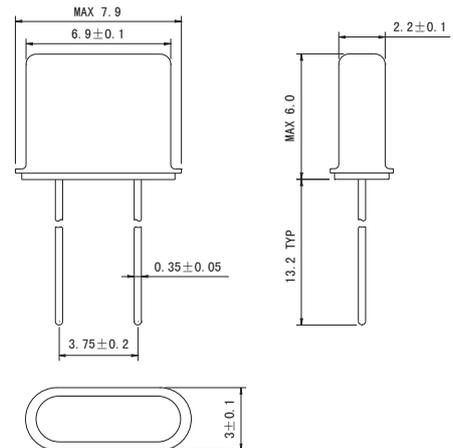
Equivalent Series Resistance and Mode of Operation 等效阻抗和振荡模式

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



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)

