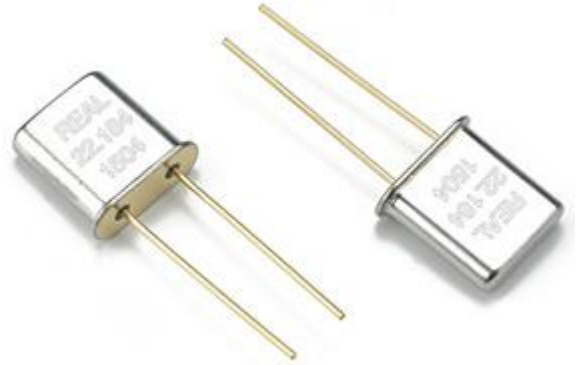


UM-1/UM-5 Series Crystal Resonator

Features:

- Excellent aging performance.
- Mass production capability.
- High reliability design
- RoHS Compliant / Pb Free
- Customized as request



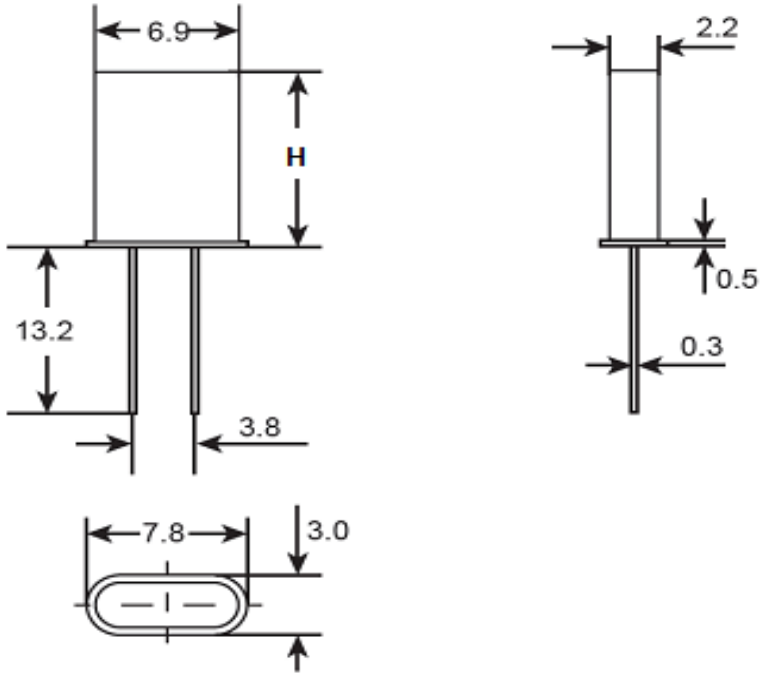
Specification:

Model	UM-1/UM-5
Frequency Range	3.5 ~ 160.000MHz
Frequency Tolerance at 25°C±2°C	±5 ~ ±50ppm(TYP.)
Frequency Stability Over Operating Temp Range	±5 ~ ±50ppm(TYP.)
Operating Temp Range	-10°C ~+60°C, -20°C ~+70°C, -40°C ~+85°C or customer requirement
Load Capacitance	8pF ~32pf,series or special
Shunt Capacitance	7pf Max
Drivel Level	0.1uW~1000Uw(TYP:100uw)
Insulation Resistance	500MΩ min / DC 100V±15V
Oscillation Mode	Fundamental,3 rd & 5 th overtone
Measure Instrument	S&A 250B

Equivalent Series Resistance(ESR)VS Frequency:

Frequency(MHz)	Oscillation Mode	UM-1/UM-5
3.5~3.98	Fundamental	200Ω max
4.0~4.99	Fundamental	150Ω
5.0~9.99	Fundamental	60Ω
10.0~14.99	Fundamental	40Ω
15.0~50.0	Fundamental	30Ω
30.0~49.99	3 rd overtone	45Ω
50.0~100.0	3 rd overtone	60Ω
75.0~160.0	5 rd overtone	80Ω

Dimensions:



TYPE	H
UM-1	8.0 Max
UM-5	6.0 Max