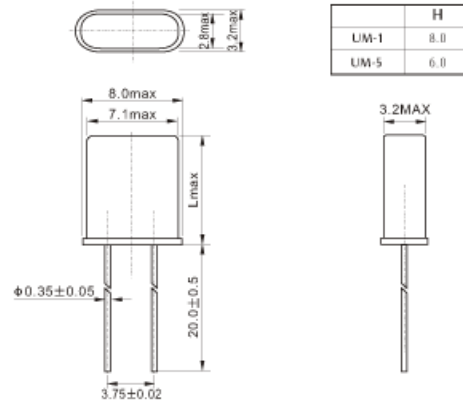
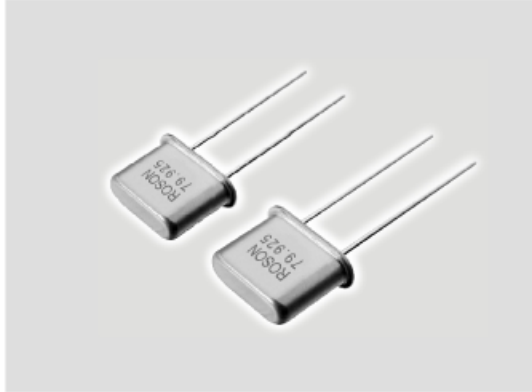


**UM-1/UM-5**
**外形尺寸 · DIMENSIONS(mm)**

**技术参数 · PARAMETERS**

参 数	PARAMETER	SPECIFICATION
频率范围	Frequency Range (MHz)	8.0~200.0MHz
振动模式	Operation Mode	See Table 2
负载电容	Load Capacitance CL (PF)	20PF Std. 8 to 50PF Series available
调整频差	Frequency Tolerance FL (ppm)	±10ppm Std. ±2.5~±20ppm available
温度频差	Temperature Tolerance TL (ppm)	±10ppm Std. (See Table 3)
工作温度	Operating Temperature To (℃)	-20℃ to+70℃ Std. (See Table 3)
存储温度	Storage Temperature ST (℃)	-55℃ to +85℃
谐振温度	Motional Resistance Rs (Ω)	See Table 2
静态电容	Shunt Capacitance Co (pF)	5.0PF max.
激励功率	Drive Level DL (μw)	100 μw std. 0.01~ 500 μW available
绝缘电阻	Insulation Resistance IR (MΩ)	500MΩ (DC100±10V) Min.
老化率	Aging (ppm/y)	±3ppmMax.

TABLE 1

**振动模式与谐振电阻 · OPERATION MODE AND RS**
**温度频差 · FREQUENCY-TEMPERATURE TOLERANCE**

FREQUENCY \ TYPE	MODE	UM-1 (Ω MAX)	UM-5 (Ω MAX)
10~15MHz	FUND	50	
15~20MHz	FUND	50	50
20~25MHz	FUND/3 <sup>rd</sup> Overtone	45	45
25~30MHz	FUND /3 <sup>rd</sup> Overtone	35	35
30~75MHz	3 <sup>rd</sup> /5 <sup>th</sup> Overtone	30	30
75~100MHz	3 <sup>rd</sup> /5 <sup>th</sup> Overtone	30/60	30/60
100~125MHz	5 <sup>th</sup> Overtone	60	60

TABLE 2

● RECOMMENDED 推荐使用 ○ AVAILABLE 可用

CUTTING	TEMP. RANGE	TOLERANCE(ppm)				
		±5.0	±10	±15	±20	±30
AT	0~+50℃	○	○	○		
	-10~+60℃	●	●	○	○	
	-20~+70℃	●	●	○	○	○
	-30~+80℃	○	●	○	○	○
	-40~+85℃	○	●	○	○	○

TABLE 3