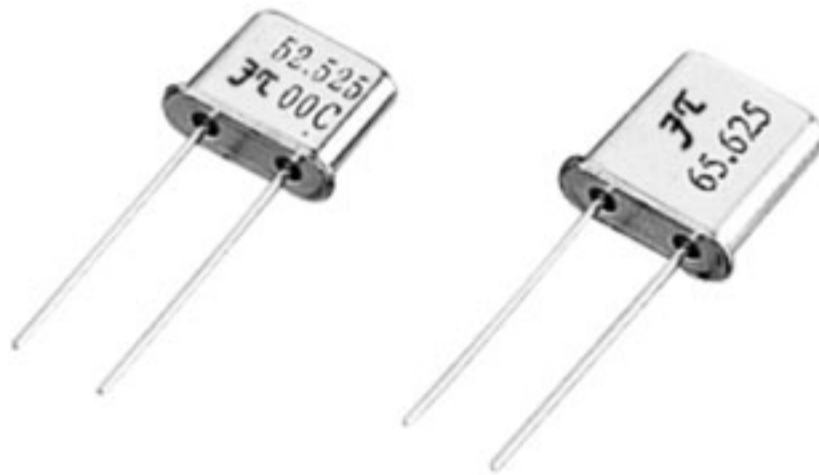


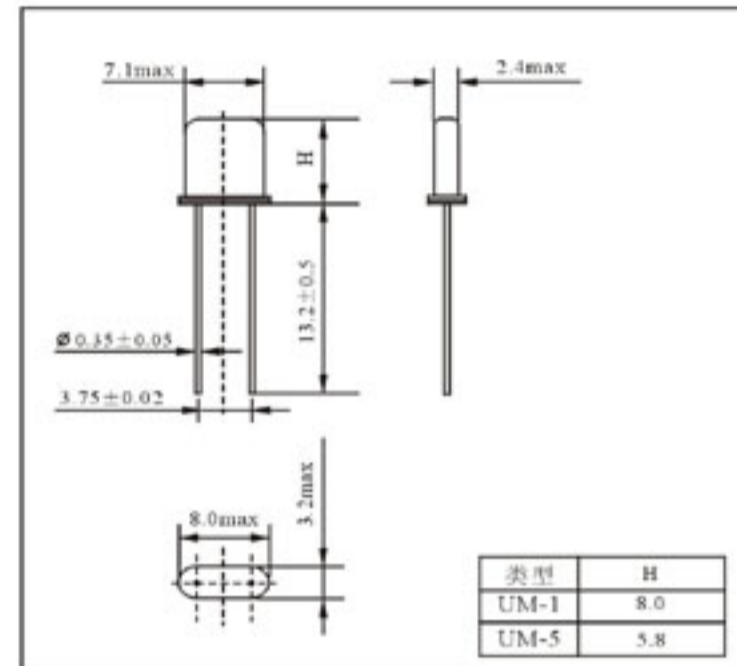
## QUARTZ CRYSTAL RESONATOR

## 石英晶体谐振器

## UM-1/UM-5 DIP TYPE



## DIMENSIONS (Unit:mm) 外形尺寸



## PART NUMBER GUIDE 部件号示例 e.g. FTX65.625M20U1 (\*U-UM-1 U5UM-5)

	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容	*Package Type 盒形
FT	X	65.625MHz	20	U1

## 1.PARAMETERS 技术参数

PARAMETER	参 数	SPECIFICATION 规格
Frequency Range	频率范围 (MHz)	8.0MHz~125.0MHz UM-1/8.0MHz~125.0MHz UM-5
Operation Mode	振动模式	See Table 2 见表2
Load capacitance $C_L$	负载电容 (pF)	20pF Std. 8 to 35pF series available
Frequency Tolerance $F_L$	调整频差 (ppm)	$\pm 10$ ppm@25°C Std. ( $\pm 5$ ppm~ $\pm 100$ ppm available)
Temperature Tolerance $T_L$	温度频差 (ppm)	$\pm 10$ ppm Std. (See Table 3 见表3)
Operating Temperature $T_O$	工作温度 (°C)	-20°C to +70°C Std. (See Table 3 见表3)
Storage Temperature $S_T$	储存温度 (°C)	-40°C to +85°C
Motional Resistance $R_c$	谐振电阻 ( $\Omega$ )	See Table 2 见表2
Shunt Capacitance $C_o$	静态电容 (pF)	7pF max
Drive Level $D_L$	激励电平 (mW)	0.01mW~1mW
Insulation Resistance $I_L$	绝缘电阻 (M $\Omega$ )	500( DC500 $\pm 10$ V ) min
Aging@25°C	年老化率 (ppm/y)	$\pm 5$ ppm max

◎ All specifications subject change without notice. 规格变化, 恕不另行通知。

## 2. OPERATION MODE AND RS 振动模式与谐振电阻

FREQUENCY	TYPE	MODE	UM-1 ( $\Omega_{max}$ )	UM-5 ( $\Omega_{max}$ )
10MHz~15MHz		Fund	40	
15MHz~20MHz		Fund	30	40
20MHz~25MHz		Fund	25	35
25MHz~30MHz		Fund	40/60	40/60
30MHz~75MHz		3 <sup>rd</sup> /5 <sup>th</sup> Overtone	60/70	60/70
75MHz~100MHz		3 <sup>rd</sup> /5 <sup>th</sup> Overtone	70/80	70/80
100MHz~125MHz		5 <sup>th</sup> Overtone	80	80

## 3. FREQUENCY-TEMPERATURE TOLERANCE 温度频差

● Recommended 推荐使用 ○ Available 可用

Cutting 切型	Temp Range	Tolerance(ppm)				
		$\pm 5.0$	$\pm 10$	$\pm 15$	$\pm 20$	$\pm 30$
AT	0°C~+50°C	○	○	○	○	○
	-10°C~+60°C		●	○	○	○
	-20°C~+70°C			○	●	○
	-30°C~+80°C				○	
	-40°C~+85°C					○