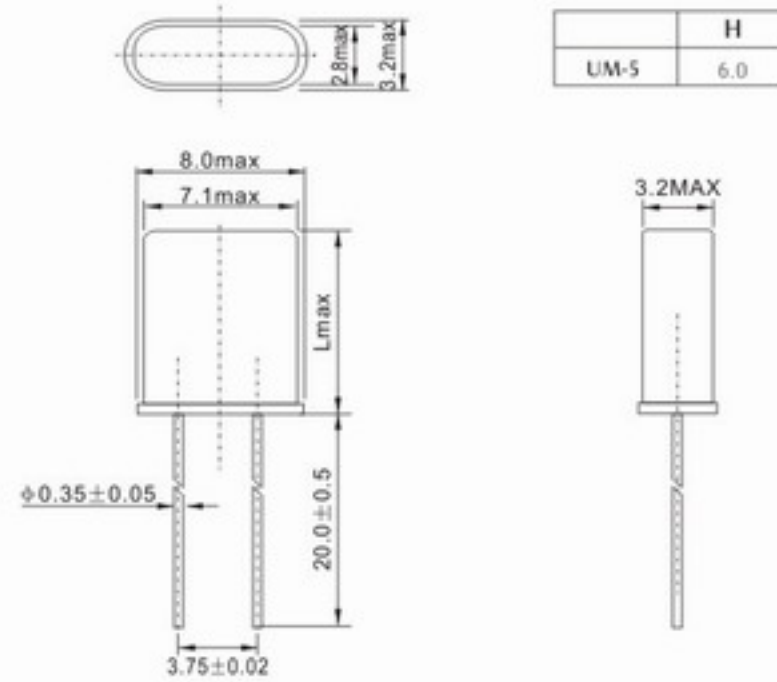


## UM-5

## 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)	$\pm 10$ ppm Std. $\pm 2.5 \sim \pm 20$ ppm available
温度频差	Temperature Tolerance TL (ppm)	$\pm 10$ ppm 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℃
谐振电阻	Motional Resistance Rs ( $\Omega$ )	See Table 2
静态电容	Shunt Capacitance Co (pF)	5.0PF max.
激励功率	Drive Level DL ( $\mu$ W)	100 $\mu$ W std. 0.01~ 500 $\mu$ W available
绝缘电阻	Insulation Resistance IR (M $\Omega$ )	500M $\Omega$ (DC100 $\pm$ 10V) Min.
年老化率	Aging (ppm/year)	$\pm 3$ ppmMax.

TABLE 1

## 振动模式与谐振电阻 · OPERATION MODE AND RS

## 温度频差 · FREQUENCY-TEMPERATURE TOLERANCE

TYPE FREQUENCY	MODE	UM-5 ( $\Omega$ MAX)
15~20MHz	FUND	50
20~25MHz	FUND/3 <sup>rd</sup> Overtone	45
25~30MHz	FUND/3 <sup>rd</sup> Overtone	35
30~75MHz	3 <sup>rd</sup> /5 <sup>th</sup> Overtone	30
75~100MHz	3 <sup>rd</sup> /5 <sup>th</sup> Overtone	30/60
100~200MHz	5 <sup>th</sup> Overtone	60

TABLE 2

● RECOMMENDED 推荐使用 ○ AVAILABLE 可用

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

TABLE 3