

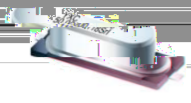
# Crystal Unit

## HC-49XSMD

### Applications

### Features

- Industrial Control
- Consumer Electronics
- Nominal Frequency Range: 8 ~ 32 MHz
- Standard Frequency: 8 ~ 32 MHz



## Specifications (规格参数)

Specifications	
f_nom	8 ~ 32MHz
-	AT Fundamental
CL	12pF, 20pF, or specify
f_tol	±10ppm, ±20ppm, or specify
f_trim	±5ppm, or specify
T_use	-20~+70°C, or specify
T_stg	-40~+85°C
C0	7pF Max
DL	1~500µW Max (100µW typical)
f_age	±3ppm/year Max

Symbol	
	Nominal Frequency Range 额定频率范围
	Vibration Mode 震动模式
	Load Capacitance 负载电容
	Frequency Tolerance 频率偏差 (at 25°C)
	Frequency Versus Temperature Characteristics 频率-温度特性
	Operating Temperature 工作温度
	Storage Temperature 储存温度
	Shunt Capacitance 静态电容
	Level of Drive 激励电平
	Aging 老化 (at 25°C)

### Equivalent Series Resonance (等效串联电阻 (ESR)):

### Equivalent Series Resonance

ESR (Ω)	Frequency Range (MHz)	ESR (Ω)
60Ω Max	20 ~ 32MHz	40Ω Max

ESR (Ω)	Frequency Range (MHz)
12 ~ 16Ω	8 ~ 16MHz

### Recommended Land Pattern (外观尺寸及推荐焊盘)

### Dimensions and Re

