

# Crystal Unit

## HC-49U/S DIP



### 特性 (Features)

- 尺寸 (Dimensions) : 11.5×4.5×3.5mm
- 标准频率 (Standard Frequency) : 3.2768 ~ 32MHz
- 无铅且符合RoHS/绿色环保标准 (Pb-free and RoHS/Green compliant)



### 应用 (Applications)

- 消费类电子 Consumer Electronics
- 工业控制 Industrial control

### 电性能参数 (Electrical Specifications)

Item	Specifications
频率范围 (Frequency Range)	3.2768~32MHz
振动模式 (Mode of Oscillation)	Fundamental
负载电容 (Load Capacitance)	20pF, or specify
调整频差 (Frequency Tolerance) (at 25° C)	±10ppm, ±20ppm, or specify
温度频差 (Stability over operation temperature)	±20ppm, or specify
工作温度 (Operating Temperature)	-20~+70°C, -40~+85°C, or specify
储存温度 (Storage Temperature)	-40~+85°C
静态电容 (Shunt Capacitance)	7 pF Max
激励功率 (Drive Level)	10~200 μW Max (100 μW typical)
老化 (Aging) (at 25° C)	±3ppm/year Max

### 谐振电阻 (Equivalent Resistance)

Frequency Range	ESR (Max. )
3.2768~4MHz	120 Ω
4~8MHz	80 Ω
8~12MHz	60 Ω
12~32MHz	40 Ω

### 外形尺寸 (单位: mm) OUTLINE DIMENSIONS (UNIT:mm)

