

Crystal Unit HC-49US DIP



Applications

- Industrial Control
- Consumer Electronics

Features

- Dimensions: 11.5 x 4.5 x 3.6mm
- Standard Frequency: 3.2768 ~ 32MHz

- Through Hole Type Crystal Units



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f _{nom}	3.2768 ~ 32MHz
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	12pF, 20pF, or specify
Frequency Tolerance (频率偏差) (at 25°C)	f _{tol}	±10ppm, ±20ppm, or specify
Frequency Versus Temperature Characteristics (频率-温度特性)	f _{tem}	±20ppm, or specify
Operating Temperature (工作温度)	T _{use}	-20~+70°C, -40~+85°C, or specify
Storage Temperature (储存温度)	T _{stg}	-40 ~+ 85°C
Shunt Capacitance (静态电容)	C0	7pF Max
Level of Drive (激励电平)	DL	1~500µW Max (100µW typical)
Aging (老化) (at 25°C)	f _{age}	±3ppm/year Max

Equivalent Series Resistance (等效串联电阻 (ESR))

HC-49US			
3.2768 ~ 4MHz	180Ω Max	6 ~ 7MHz	80Ω Max
4 ~ 5MHz	120Ω Max	7 ~ 10MHz	60Ω Max
5 ~ 6MHz	100Ω Max	10 ~ 32MHz	40Ω Max

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

