Crystal Unit
HC-49SMD

Applications

- Industrial Control

Features

- Dimensions: 11.4 x 4.8 x3.8mm
- Standard Frequency: 3.2768 ~ 32MHz
- Surface Mount 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-49SMD			
3.2768 ~ 4MHz	180Ω Max	6~ 7MHz	80Ω Max
4 ~ 5MHz	120Ω Max	7 ~ 10MHz	60Ω Max
5 ~ 6MHz	100Ω Max	11~ 32MHz	40Ω Max

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

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)



