

Crystal Unit

HC-49XSMD



Applications

- Industrial Control
- Consumer Electronics

Features

- Dimensions: 6.10 x 4.00 x 2.30mm
- Standard Frequency: 8 ~ 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	8 ~ 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 (100uW typical)
Aging (老化) (at 25°C)	f_age	±3ppm/year Max

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

HC-49XSMD			
8 ~ 12MHz	80Ω Max	16 ~ 20MHz	50Ω Max
12 ~ 16MHz	60Ω Max	20 ~ 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)