

# Crystal Unit AEC-Q200

## YSX1612SC

Small Size



### Applications

- Automotive
- Industrial

### Features

- Dimensions: 1.60 x 1.20 x 0.35mm
- Standard Frequency: 24 ~ 60MHz

- AEC-Q200 Qualified

- Seam with Vacuum Sealed for Ultra-Small Size



### Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	24 ~ 60MHz
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	8pF, 9pF, 12pF, or specify
Frequency Tolerance (频率偏差) (at 25°C)	f_tol	±10ppm, or specify
Frequency Versus Temperature Characteristics (频率-温度特性)	f_tem	±50ppm, or specify
Operating Temperature (工作温度)	T_use	-40~+125°C, or specify
Storage Temperature (储存温度)	T_stg	-55~+125°C
Shunt Capacitance (静态电容)	C0	3pF Max
Level of Drive (激励电平)	DL	10~100 μW Max (100 μW typical)
Aging (老化) (at 25°C)	f_age	±2ppm/year Max

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

YSX1612SC	
24 ~ 40MHz	150 Ω Max
41 ~ 60MHz	100 Ω Max

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

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