

# Crystal Unit AEC-Q200



## YSX1612SC Small Size



### Applications

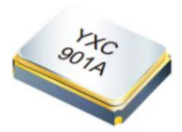
- Automotive
- Industrial

### 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	10~100µW Max(100µW 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	150Ω Max
41 ~ 60MHz	100Ω Max

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

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
<p>Top View: 1.60±0.10 x 1.20±0.10</p> <p>Side View: 0.35±0.10</p> <p>Bottom View: 0.50 x 0.30</p>	<p>Top View Crystal Connection: 4 GND, 3, 2, 1 GND</p> <p>Top View Suggested Layout: 0.75, 0.30, 0.75, 0.60, 0.60, 0.20</p>