

# Crystal Unit AEC-Q200 YSX211SC Small Size



## Applications

- Automotive
- Industrial

## Features

- Dimensions: 2.05 x 1.65 x 0.45mm
- Standard Frequency: 16 ~ 72MHz

- High Precision and Tight Frequency Stability
- AEC-Q200 Qualified



## Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range 额定频率范围	f_nom	16~72MHz
Vibration Mode 震动模式	-	AT Fundamental
Load Capacitance 负载电容	CL	8pF, 10pF, or specify
Frequency Tolerance 频率偏差 (at 25°C)	f_tol	±10ppm, ±30ppm, 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, or specify
Shunt Capacitance 静态电容	C0	3pF Max
Level of Drive 激励电平	DL	10~200µW Max(100µW typical)
Aging 老化(at 25°C)	f_age	±2ppm/year Max

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

YSX211SC			
16 ~ 20MHz	200Ω Max	26 ~ 40MHz	100Ω Max
21 ~ 25MHz	120Ω Max	41 ~ 72MHz	60Ω 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: 2.00±0.1, 1.60±0.1, Marking, #1, #2, #3, #4</p> <p>Side View: 0.45±0.1, 0.7±0.10</p> <p>Bottom View: 0.5±0.10, #1, #2, #3, #4</p>	<p>Top View Crystal Connection: #1, #2, #3, #4, GND</p> <p>Top View Suggested Layout: 0.90, 0.50, 0.90, 0.80, 0.30, 0.80</p>