

# Crystal Unit AEC-Q200 YSX211SC Small Size



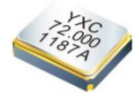
## Applications

- 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 <sub>nom</sub>	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 <sub>tol</sub>	±10ppm, ±30ppm, or specify
Frequency Versus Temperature Characteristics (频率-温度特性)	f <sub>tem</sub>	±50ppm, or specify
Operating Temperature (工作温度)	T <sub>use</sub>	-40~+125°C, or specify
Storage Temperature (储存温度)	T <sub>stg</sub>	-55~+125°C, or specify
Shunt Capacitance (静态电容)	C <sub>0</sub>	3pF Max
Level of Drive (激励电平)	DL	10~200μW Max(100μW typical)
Aging (老化) (at 25°C)	f <sub>age</sub>	±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±0.10, 1.60±0.10, Marking, 1, 2, 3, 4</p> <p>Side View: 0.45±0.10</p> <p>Bottom View: 0.575±0.10, 0.7±0.10, 0.5±0.10, 0.475±0.10, 1, 2, 3, 4</p>	<p>Top View Crystal Connection: 4 GND, 3, 1, 2 GND</p> <p>Top View Suggested Layout: 0.9, 0.5, 0.9, 0.8, 0.3, 0.8</p>