

Crystal Unit AEC-Q200 YSX211SC Small Size

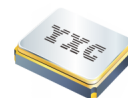


Applications

- Vehicle Assistance ,such as in-vehicle infotainment and smart cockpit.

Features

- Dimensions: 2.05 x 1.65 x 0.45mm
- High Precision and Tight Frequency Stability
- Standard Frequency: 16 ~ 72MHz
- 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)
Top View: 2.00±0.1 (width), 1.60±0.1 (height), Marking area. Side View: 0.7±0.10 (height), 0.45±0.1 (thickness). Bottom View: 0.5±0.10 (width), 0.80±0.10 (height), pins #1, #2, #3, #4.	Top View Crystal Connection: Shows pins #1, #2, #3, #4 and GND locations. Top View Suggested Layout: Shows pin pitch of 0.90, 0.50, 0.90 and pad dimensions of 0.80, 0.30, 0.80.