

Crystal Unit

AEC-Q200

YSX211SC Small Size



Applications

- GPS Automotive electronics
- Industrial electronics.

Features

- Dimensions: 2.05 x 1.65 x 0.50mm.
- Standard Frequency: 16~72MHz
- High precision and high 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	200 Ω Max.	26 ~ 40 MHz	100ΩMax.
21 ~ 25MHz	120 Ω Max.	41 ~ 72 MHz	60ΩMax.

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, 1.65±0.1, 1, 2, 3, 4, Marking Side View: 4.5±0.1 Bottom View: 0.575±0.10, 0.7±0.10, 0.5±0.10, 0.475±0.10, 1, 2, 3, 4	Top View Crystal Connection: 4 GND, 3, 1, 2 GND Top View Suggested Layout: 0.9, 0.5, 0.9, 0.8, 0.3, 0.8