

Crystal Unit

YSX211SL Small Size



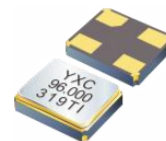
Applications

- Mobile Phone, Bluetooth, WLAN, ISM Band Radio

Features

- Dimensions: 2.05 x 1.65 x 0.45mm
- Standard Frequency: 16 ~ 54MHz

- High Precision and Tight Frequency Stability
- Excellent Heat Resistance and Environmental Characteristic



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range 额定频率范围	f _{nom}	16 ~ 54MHz, or 96MHz
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}	±20ppm, or specify
Operating Temperature 工作温度	T _{use}	-40~+85°C, or specify
Storage Temperature 储存温度	T _{stg}	-55~+125°C
Shunt Capacitance 静态电容	C ₀	3pF Max
Level of Drive 激励电平	DL	10~200μW Max (100μW typical)
Aging 老化(at 25°C)	f _{age}	±3ppm/year Max

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

YSX211SL	
16 ~ 30MHz	100Ω Max
31 ~ 54MHz	80Ω 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±0.10 (width), 1.60±0.10 (height), 0.45±0.10 (thickness). Pins #1, #2, #3, #4. Marking area. Side View 0.7±0.10 (width), 0.5±0.10 (height). Bottom View 0.7±0.10 (width), 0.5±0.10 (height). Pins #1, #2, #3, #4.	Top View Crystal Connection Shows pin connections #1, #2, #3, #4 and GND locations. Top View Suggested Layout Dimensions: 0.90, 0.50, 0.90 (widths), 0.80, 0.30, 0.80 (heights).