

Crystal Unit

YSX211SL Small Size



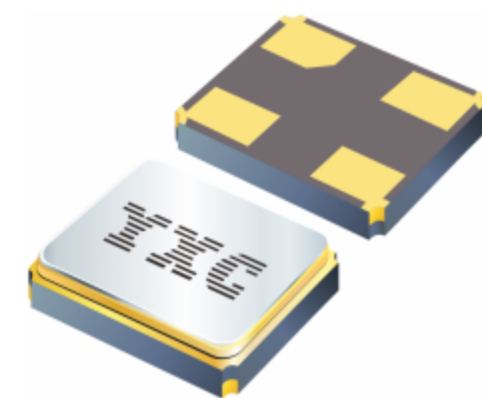
Applications

- Mobile Phone, Bluetooth, WLAN, ISM Band Radio

Features

- Dimensions: 2.0 x 1.6 x 0.45mm
- Standard Frequency: 16 ~ 54MHz

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



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	C0	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 ~ 23.99MHz	90Ω Max
24 ~ 29.99MHz	50Ω Max
30 ~ 54MHz	40Ω 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 Side View Bottom View	Top View Crystal Connection Top View Suggested Layout