

# Crystal Unit

## YSX211SL Small Size



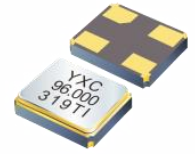
### Applications

- Mobile phone,  
Bluetooth, WLAN  
ISM band radio.

### Features

- Dimensions: 2.05 x 1.65 x 0.50mm.  
- Standard Frequency: 16~54MHz

- High precision and high 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 ~ 30MHz	100 Ω Max.
31 ~ 54MHz	80 Ω 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</p> <p>Side View</p> <p>Bottom View</p>	<p>Top View Crystal Connection</p> <p>Top View Suggested Layout</p>