

# Crystal Unit

## YSX211SL Small Size



### Applications Features

- Mobile Phone, Bluetooth, WLAN, ISM Band Radio
- Dimensions: 2.05 x 1.65 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 ~ 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)
<p>Top View</p> <p>Side View</p> <p>Bottom View</p>	<p>Top View Crystal Connection</p> <p>Suggested Layout</p>