



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: 2.00±0.10, 1.60±0.10, Marking, 1, 2, 3, 4</p> <p>Side View: 0.45±0.1</p> <p>Bottom View: 0.575±0.10, 0.7±0.10, 0.5±0.10, 0.475±0.10, 1, 2, 3, 4</p>	<p>Top View Crystal Connection: 4 GND, 3, 1, 2 GND</p> <p>Suggested Layout: 0.90, 0.50, 0.90, 0.80, 0.80, 0.30</p>

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