



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>Suggested Layout</p> |

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