

# Crystal Unit

## YSX321SL



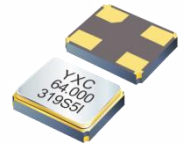
### Applications

- Smart Wearable
- IOT Communication

### Features

- Dimensions: 3.20 x 2.50 x 0.70 mm..
- Standard Frequency: 8~54MHz

- High precision and high frequency stability.
- Extremely good for reducing EMI effect.



## Specifications (规格参数)

| Item   | Symbol | Specifications              |
|--|--------|-----------------------------|
| Nominal Frequency Range (额定频率范围)                       | f_nom  | 8~64MHz                     |
| Vibration Mode (震动模式)                                  | -      | AT Fundamental              |
| Load Capacitance (负载电容)                                | CL     | 10pF, 20pF, or specify      |
| Frequency Tolerance (频率偏差) (at 25°C)                   | f_tol  | ±10ppm, ±20ppm, 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     | 1~200µW Max.(100µW typical) |
| Aging (老化) (at 25°C)                                   | f_age  | ±3ppm/year Max.             |

## Equivalent Series Resistance (等效串联电阻(ESR))

| YSX321SL       |            |
|----------------|------------|
| 8 ~ 11.2892MHz | 150 Ω Max. |
| 12 ~ 16MHz     | 80 Ω Max.  |
| 17 ~ 64MHz     | 50 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> |

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