

# Crystal Unit



## YSX321SL



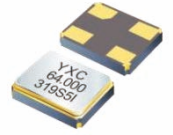
### Applications

- IOT
- Smart Wearable
- Communication

### Features

- Dimensions: 3.20 x 2.50 x 0.70 mm
- Standard Frequency: 8 ~ 64MHz

- High Precision and Tight Frequency Stability
- EMI Reduction



## 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     | 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))

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