

# 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	7pF 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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