

# Crystal Unit

## YSX320GA Glass Sealed



### Applications

- Smart Wearable IOT Communication

### Features

- Dimensions: 3.20 x 2.50 x 0.80mm.
- Standard Frequency: 11.0592~54MHz

- 4 pads SMD glass sealed crystal units.
- Contains Pb in sealing glass exempted by ROHS directive.

## Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	11.0592~54MHz
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	-20~+70°C, -40~+85°C, or specify
Storage Temperature (储存温度)	T_stg	-40~+85°C
Shunt Capacitance (静态电容)	C0	5pF Max
Level of Drive (激励电平)	DL	1~100μW Max.(100μW typical)
Aging (老化) (at 25°C)	f_age	±3ppm/year Max.

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

YSX320GA	
11.0592 ~ 16MHz	80 Ω Max.
16 ~ 25MHz	60 Ω Max.
25 ~ 54MHz	40 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: 3.20 ± 0.1, 2.50 ± 0.1, Marking, 1, 2, 3, 4</p> <p>Side View: 0.8 ± 0.1</p> <p>Bottom View: 1.2, 0.7, 1, 2, 3, 4</p>	<p>1.4, 0.8, 1.4, 1.2, 0.5, 1.2</p>