

Crystal Unit



YSX320GA Glass Sealed



Applications

- IOT
- Smart Wearable
- 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	10~300µW 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	80Ω Max
16 ~ 25MHz	60Ω Max
25 ~ 54MHz	40Ω 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, 4, 3, 1, 2, Marking</p> <p>Side View: 0.8 ± 0.1</p> <p>Bottom View: 1.2, 0.7, 1, 2, 4, 3</p>	<p>Top View Crystal Connection: GND, 4, 3, 1, 2, GND</p> <p>Top View Suggested Layout: 1.4, 0.8, 1.4, 1.2, 0.5, 1.2</p>