



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.

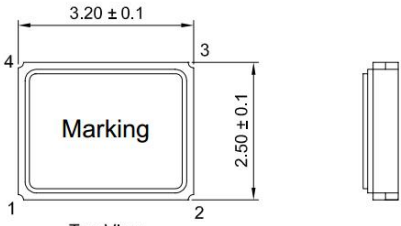
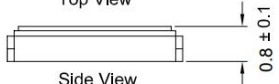
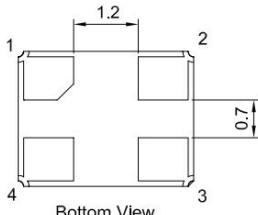
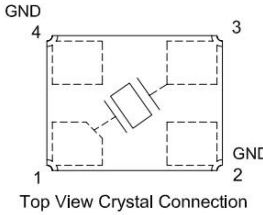
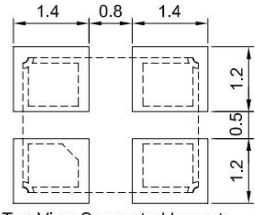
Specifications (规格参数)

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)	C ₀	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)
 Top View  Side View  Bottom View	 Top View Crystal Connection  Top View Suggested Layout