

Crystal Unit

YSX221SL Small Size



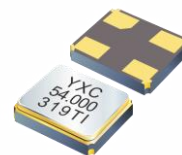
Applications

- Smart Wearable
IOT Communication

Features

- Dimensions: 2.55 x 2.05 x 0.55mm.
- Standard Frequency: 12~54MHz

- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	12~54MHz or specify
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	8pF, 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))

YSX221SL	
12 ~ 14MHz	150 Ω Max.
14 ~ 30MHz	100 Ω Max.
30 ~ 48MHz	60 Ω Max
48 ~ 54MHz	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)
Top View Side View Bottom View	Top View Crystal Connection Top View Suggested Layout