Crystal Unit

YSX221SL Small Size



Applications

- Smart Wearable
- TWS
- IOT

Features

- Dimensions: 2.50 x2.05 x 0.55mm
- Standard Frequency: 12 ~ 54MHz
- High Precision and Tight 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℃)	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℃, or specify
Storage Temperature（储存温度）	T_stg	-55~125℃
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℃)	f_age	±3ppm/year Max

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

YSX221SL	
12 ~ 14MHz	150Ω Max
15 ~ 30MHz	100Ω Max
31 ~ 48MHz	60Ω Max
49 ~ 54MHz	50Ω Max

Dimensions and Recommended Land Pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)



