

Crystal Unit

YSX1612SL Small Size



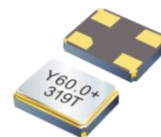
Applications

- Mobile Phone, Bluetooth,
GPS, Clock for MPU

Features

- Dimensions: 1.60 x 1.20 x 0.35mm
- Standard Frequency: 24 ~ 60MHz

- 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}	24 ~ 60MHz
Vibration Mode 震动模式	-	AT Fundamental
Load Capacitance 负载电容	CL	8pF, 9pF, 12pF, 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}	-40~+85°C
Shunt Capacitance 静态电容	C0	3pF Max
Level of Drive 激励电平	DL	100μW Max
Aging 老化(at 25°C)	f _{age}	±2ppm/year Max

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

YSX1612SL	
24 ~ 40MHz	150Ω Max
41 ~ 60MHz	100Ω 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