

# Crystal Unit

## YSX1612SL Small Size



### Applications

- Mobile phone,  
Bluetooth, Clock for  
MPU GPS.

### Features

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

- 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	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	
32 ~ 40MHz	150 Ω Max.
41 ~ 60MHz	100 Ω Max.

### Dimensions and Recommended land pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended land pattern (Unit: mm)