

Crystal Unit

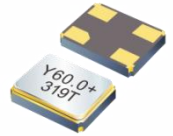


YSX1612SL Small Size



Applications Features

- Mobile Phone, Bluetooth, GPS, Clock for MPU
- 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)
<p>Top View: 1.60±0.10, 1.20±0.10</p> <p>Side View: 0.35±0.10</p> <p>Bottom View: 0.50, 0.30</p>	<p>Top View Crystal Connection: 4, 3, 2, 1, GND, GND</p> <p>Top View Suggested Layout: 0.75, 0.30, 0.75, 0.60, 0.60, 0.20</p>

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