

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)
<p>Top View: 1.60±0.10, 1.2±0.10, Marking, 1, 2, 3, 4</p> <p>Side View: 0.35±0.05</p> <p>Bottom View: 0.50, 0.30, 1, 2, 3, 4</p>	<p>Top View Crystal Connection: GND, 1, 2, 3, 4</p> <p>Top View Suggested Layout: 0.75, 0.30, 0.75, 0.60, 0.20</p>

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