

# Crystal Unit

## YSX531SL



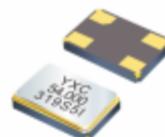
### Applications

- Industrial Control
- Consumer Electronics

### Features

- Dimensions: 5.00 x 3.20 x 0.9mm
- Standard Frequency: 8 ~ 54MHz

- High Precision and Tight Frequency Stability
- EMI Reduction



## Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range 额定频率范围	f <sub>nom</sub>	8 ~ 54MHz
Vibration Mode 震动模式	-	AT Fundamental
Load Capacitance 负载电容	CL	10pF, 20pF, or specify
Frequency Tolerance 频率偏差(at 25°C)	f <sub>tol</sub>	±10ppm, ±20ppm, or specify
Frequency Versus Temperature Characteristics 频率-温度特性	f <sub>tem</sub>	±20ppm, or specify
Operating Temperature 工作温度	T <sub>use</sub>	-40~+85°C, or specify
Storage Temperature 储存温度	T <sub>stg</sub>	-55~+125°C
Shunt Capacitance 静态电容	C0	5pF Max
Level of Drive 激励电平	DL	10~200µW Max (100µW typical)
Aging 老化(at 25°C)	f <sub>age</sub>	±3ppm/year Max

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

YSX531SL	
8 ~ 12MHz	65~80Ω Max
13 ~ 25MHz	40~60Ω Max
26 ~ 54MHz	30~40Ω 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</p> <p>Side View</p> <p>Bottom View</p>	<p>Top View Crystal Connection</p> <p>Top View Suggested Layout</p>