

Crystal Unit

YSX531SL

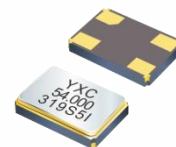


Applications

- Industrial Control Consumers.

Features

- Dimensions: 5.00 x 3.20 x 0.90mm.
- Standard Frequency: 8~54MHz
- High precision and high frequency stability.
- Extremely good for reducing EMI effect.



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	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_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	-55~+125°C
Shunt Capacitance (静态电容)	C0	5pF Max.
Level of Drive (激励电平)	DL	1~200μW Max.(100μW typical)
Aging (老化) (at 25°C)	f_age	±3ppm/year Max.

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

YSX531SL	
8 ~ 12MHz	60~80 Ω Max.
13 ~ 25MHz	40~60 Ω Max.
26 ~ 54MHz	30~40 Ω 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: 5.0±0.15, 3.2±0.15, 0.4, 1, 2, 3, 4, Marking Side View: 0.9±0.15 Bottom View: 2.6, 1.4, 1, 2, 3, 4	Top View Crystal Connection: GND, 1, 2, 3, 4 Top View Suggested Layout: 2.0, 1.7, 2.0, 1.2, 1.0, 1.2