

Crystal Unit

YSX531SL



Applications

- Industrial Control
- Consumer Electronics

Features

- Dimensions: 5.00 x 3.20 x 0.85mm
- 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 _{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	10~200μW 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	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)
Top View Side View Bottom View	Top View Crystal Top View Suggested Layout