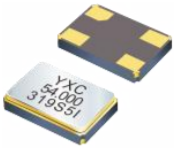
Crystal Unit
YSX531SL

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）

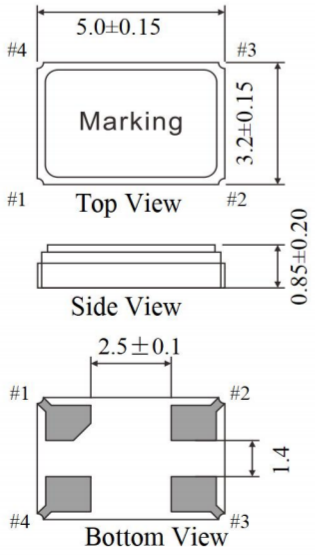
Item	Symbol	Specifications
Nominal Frequency Range 额定频率范围	f_nom	8 ~ 54MHz
Vibration Mode 震动模式	-	AT Fundamental
Load Capacitance 负载电容	CL	10pF, 20pF, or specify
Frequency Tolerance 频率偏差(at 25°C)	f_tol	±10ppm, ±20ppm, or specify
Frequency Versus Temperature Characteristics 频率-温度特性	f_tem	±20ppm, or specify
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

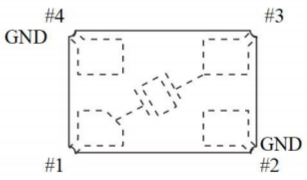
Equivalent Series Resistance（等效串联电阻(ESR)）

YSX531SL	
8 ~ 12MHz	60~80Ω Max
13 ~ 25MHz	40~60Ω Max
26 ~ 54MHz	30~40Ω Max

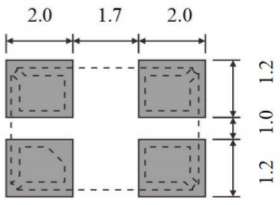
Dimensions and Recommended Land Pattern（外观尺寸及推荐焊盘）

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)





Top View Crystal



Top View Suggested Layout

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

YXC:

X503212MSB4SI X503230MSB4SI X803832768KGD4GI H6OSI-SUG-16M OT25208MJBA4SL
X49SM16MSB2SC XL1SI-111-25M OT2JI-111-24.576M X49SD13MSD2SC XL2MI-111-26M
X322526MMB4SI X5032221184MSB4SI O92EI-112-155.52M OT1JI-111-2.048M OT201626MJBA4SL
X252024MRB4SI X252027MOB4SI S21EY2H4KO-114OLP-12M X49SD16MSD2SI
XC2EY2H4KO-114OLP-25M H1OSC-SUG-8.192M OT3JI-111-8M X161032768KGD2SI
X49SM8192MSD2SC-1 X5032110592MSB2GI X503216MSB2GI XL2MI-111-24M OT252048MJBA4SL
X32252712MSB4SI X49SD25MSD2SC