

给您一颗快乐的“芯”！ YSX531SL



Features



- External dimensions: 5.0 x 3.2 x 0.9 mm.
- Frequency range: 8MHz ~ 54MHz.
- High precision characteristics covering up to wide frequency range.
- Higher frequency stability and reliability.
- Excellent for reducing EMI effect.
- The best choice of Bluetooth, wireless communication set, DSC, PDA, mobile phone and USB interface card.

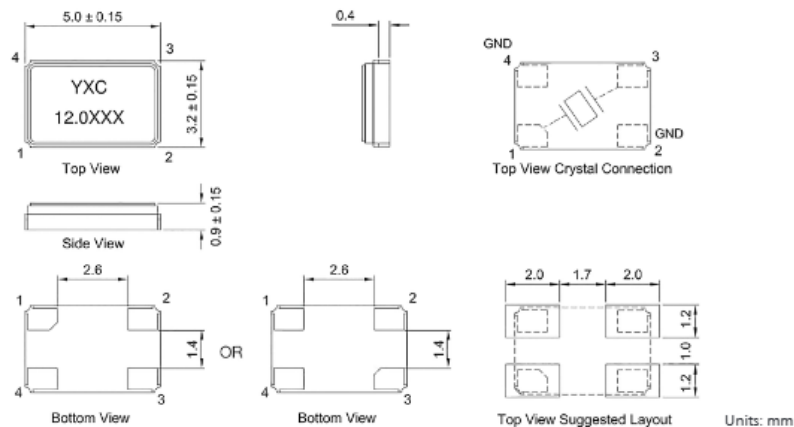
Electrical Specifications

Item / Type	YSX531SL
Nominal Frequency Range	8 ~ 54 MHz
Vibration Mode	AT Fundamental
Load Capacitance	12pF, 20pF, or specify
Frequency Tolerance (at 25 °C)	10 ppm, 20 ppm, or specify
Frequency Versus Temperature Characteristics	20 ppm, or specify
Operating Temperature	-20 ~ +70 °C, -40 ~ +85 °C, or specify
Storage Temperature	-40 ~ +85 °C, or specify
Shunt Capacitance	7 pF Max.
Level Of Drive	1~100 μW Max. (10 μW typical)
Frequency Aging (at 25 °C)	3 ppm / year Max.
Insulation Resistance	More Than 500M Ω at DC 100V

Equivalent Series Resistance(ESR)

Fundamental	
8 ~ 12 MHz	60 ~ 80
12 ~ 25 MHz	40 ~ 60
25 ~ 54 MHz	30 ~ 40

Dimensions



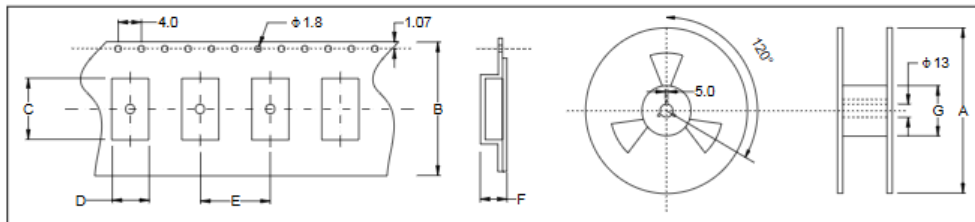
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★ PART NUMBER GUIDE 部件号示例 e.g. X503212MSD4SC

YSX531SL=5.0×3.2 SMD SEAMTYPE

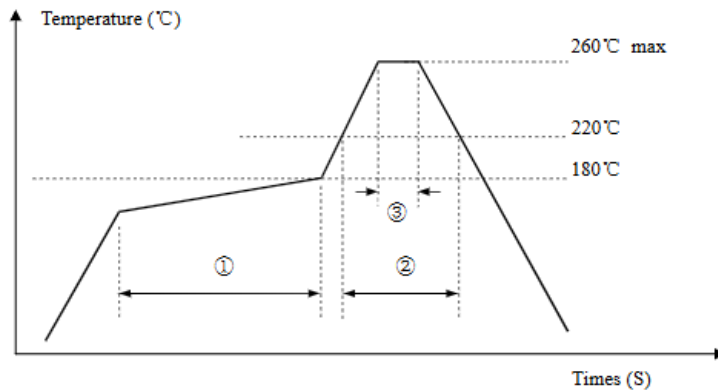
Quartz Crystal Resonator	Dimensions	Frequency (Hz)	Load Capacitance (Pf)	Frequency Stability Overall (ppm)	Pin	Material	Operating Temp. Range
X	5032	12M	S	D	4	S	C

★ TAPING SPECIFICATION (Unit: mm) 编带规格



	A	B	C	D	E	F	G
SMD5032	178±2.0	12.0±0.3	5.80±0.10	4.05±0.10	7.65±0.1	1.60±0.10	57.15±1.0
1000 pcs per reel							

★ REFLOW SOLDERING PROFILE 回流焊特性



Pb free reflow A	①	Preheat	160~180°C	120sec. max
	②	Primary heat	220°C	60sec. max
	③	Peak	260°C	10sec. max.