

Crystal Unit

AEC-Q200

YSX531SC



Applications

- Automotive
- Industrial

Features

- Dimensions: 5.00 x 3.20 x 0.85mm
- Standard Frequency: 7.6 ~ 54MHz

- AEC-Q200 Qualified



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	7.6 ~ 54MHz
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	18pF, 20pF, or specify
Frequency Tolerance (频率偏差) (at 25°C)	f_tol	±10ppm, ±30ppm, or specify
Frequency Versus Temperature Characteristics (频率-温度特性)	f_tem	±50ppm, or specify
Operating Temperature (工作温度)	T_use	-40~+125°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	1~300µW Max(100µW typical)
Aging (老化) (at 25°C)	f_age	±2ppm/year Max

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

YSX531SC			
7.6 ~ 11.9MHz	100Ω Max	14 ~ 19.9MHz	50Ω Max
12 ~ 13.9MHz	60Ω Max	20 ~ 54MHz	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: 5.0±0.15 x 3.2±0.15</p> <p>Bottom View: 1.2, 2.6, 1.2, 0.9, 1.4, 0.9</p> <p>Side View: 0.85±0.2</p>	<p>Top View Crystal Connection: GND, 1, 2, 3, 4</p> <p>Recommended Soldering Pattern: 2.0, 1.7, 2.0, 1.2, 1.0, 1.2</p>