

Applications Features

- Automotive
- Industrial
- Dimensions: 5.00 x 3.20 x 0.85mm
- Standard Frequency: 7.6 ~ 54MHz
- AEC-Q200 Quality

Specifications (规格参数)

Item	Symbol	Value
Nominal Frequency Range (标称频率范围)		7.6 ~ 54MHz
Vibration Mode (震动模式)		AT Fundamental
Load Capacitance (负载电容)		18pF ~ 20pF, or specify
Frequency Tolerance (频率偏差) (at 25°C)		±30ppm, or specify
Frequency Versus Temperature Characteristic (频率温度特性)	f_{TCM}	±50ppm, or specify
Operating Temperature (工作温度)	T_{usc}	-40 ~ +125°C, or specify
Storage Temperature (贮存温度)		-55 ~ +125°C
Shunt Capacitance (静态电容)	C_0	5pF Max.
Excitation Power (激励功率)	P_D	1 ~ 30mW Max. (30mW typical)
Ageing (老化) (at 25°C)		±5ppm/year Max.

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

YSX531SC			
7.6 ~ 11.9MHz	100Ω Max	14 ~ 19.9MHz	50Ω Max
60Ω Max	20 ~ 54MHz	40Ω Max	12 ~ 13.9MHz

Standard Land Pattern (外观尺寸及推荐焊盘)

Dimensions and Recommended Soldering Pattern

Recommended Land Pattern (Unit: mm)

Dimensions (Unit: mm)

