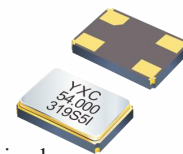


Crystal Unit

AEC-Q200

YSX531SC



Applications

- GPS Automotive electronics

Features

- Dimensions: 5.00 x 3.20 x 0.85mm.
- Standard Frequency: 7.6~54MHz
- AEC-Q200 qualified.
- High resolution frequency tolerance is obtained.

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	100 Ω Max.	14 ~ 19.9 MHz	50ΩMax.
12 ~ 13.9 MHz	60 Ω Max.	20 ~ 54 MHz	40ΩMax.

Dimensions and Recommended land pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended land pattern(Unit: mm)
Top View Bottom View Side View	Top View Crystal Connection Recommended Soldering Pattern