

Crystal Unit

AEC-Q200

YSX321SC



Applications

- Automotive
- Industrial

Features

- Dimensions: 3.20 x 2.50 x 0.70 mm
- Standard Frequency: 8 ~ 66MHz

- Low Impedance Performance
- AEC-Q200 Qualified



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	8 ~ 66MHz
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	8pF, 12pF, 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	3pF Max
Level of Drive (激励电平)	DL	1~200µW Max(100µW typical)
Aging (老化) (at 25°C)	f_age	±2ppm/year Max

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

YSX321SC			
8 ~ 9.9MHz	800Ω Max	13 ~ 15.9MHz	80Ω Max
10 ~ 10.9MHz	250Ω Max	16 ~ 20.9MHz	70Ω Max
11 ~ 11.9MHz	150Ω Max	21 ~ 29.9MHz	60Ω Max
12 ~ 12.9MHz	100Ω Max	30 ~ 66.0MHz	50Ω 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: 3.20±0.1 x 2.50±0.1</p> <p>Side View: 0.7±0.1</p> <p>Bottom View: 1.2 x 0.7</p>	<p>Top View Crystal Connection</p> <p>Top View Suggested Layout</p>