

Crystal Unit

AEC-Q200

YSX321SC



Applications

- Vehicle Assistance ,such as in-vehicle infotainment and smart cockpit.

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, ±20ppm, 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)
Top View Side View Bottom View	Top View Crystal Connection Top View Suggested Layout