

Crystal Unit

AEC-Q200

YSX221SC



Applications

- Automotive
- Industrial

Features

- Dimensions: 2.50 x 2.05 x 0.55mm
- Standard Frequency: 12 ~ 80MHz

- High Precision and Tight Frequency Stability
- AEC-Q200 Qualified

Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range 额定频率范围	f_nom	12 ~ 80MHz, or specify
Vibration Mode 震动模式	-	AT Fundamental
Load Capacitance 负载电容	CL	8pF, 10pF, 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	10~200µW Max(100µW typical)
Aging 老化(at 25°C)	f_age	±2ppm/year Max

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

YSX221SC	
12 ~ 15MHz	180Ω Max
16 ~ 20MHz	150Ω Max
21 ~ 30MHz	100Ω Max
31 ~ 80MHz	60Ω Max

Dimensions and Recommended Land Pattern (外观尺寸及推荐焊盘)

Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
	