

Crystal Unit

AEC-Q200

YSX530SC



Applications

- Automotive
- Industrial

Features

- Dimensions: 5.00 x 3.20 x 1.10mm
- Standard Frequency: 7.4 ~ 54MHz

- 2 pads SMD Metal Sealed Crystal Units



Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	7.4 ~ 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))

YSX530SC			
7.6 ~ 11.9MHz	100Ω Max	14 ~ 19.9MHz	50Ω Max
12 ~ 13.9MHz	60Ω Max	20 ~ 54MHz	40Ω 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</p> <p>Bottom View</p> <p>Side View</p>	<p>Top View Crystal Connection</p> <p>Recommended Soldering Pattern</p>