

Crystal Unit

YSX530GA Glass Sealed



Applications

- Industrial Control Consumers.

Features

- Dimensions: 5.00 x 3.20 x 1.2 mm
- Standard Frequency: 8~54MHz

- 2 pads SMD glass sealed crystal units.

- Contains Pb in sealing glass exempted by ROHS directive.

Specifications (规格参数)

Item	Symbol	Specifications
Nominal Frequency Range (额定频率范围)	f_nom	8~54MHz
Vibration Mode (震动模式)	-	AT Fundamental
Load Capacitance (负载电容)	CL	10pF, 20pF, 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	±20ppm, or specify
Operating Temperature (工作温度)	T_use	-20~+70°C, -40~+85°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	±3ppm/year Max.

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

YST530GA	
8 ~ 16MHz	80 Ω Max.
16 ~ 25MHz	40~60 Ω Max.
25 ~ 54MHz	30~40 Ω 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: 5.0 ± 0.15, 3.2 ± 0.15, 0.5</p> <p>Side View: 1.2 ± 0.15</p> <p>Bottom View: 2.4, 2.0</p>	<p>1.7, 2, 1.7, 2.4</p>