



## 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</p> <p>Side View</p> <p>Bottom View</p> |                                    |