

Crystal Unit

YSX530GA Glass Sealed



Applications

- Industrial Control
- Consumer Electronics

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 | 10~300μW Max (100μW typical) |
| Aging (老化) (at 25°C) | f_age | ±3ppm/year Max |

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

| YSX530GA | |
|------------|------------|
| 8 ~ 16MHz | 80Ω Max |
| 16 ~ 25MHz | 40~60Ω Max |
| 25 ~ 54MHz | 30~40Ω 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>Side View</p> <p>Bottom View</p> | <p>Top View Crystal Connection</p> <p>Top View Suggested Layout</p> |

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