

# Crystal Unit

## AEC-Q200

### YSX321SC



#### Applications

- Automotive
- Industrial

#### Features

- Dimensions: 3.20 x 2.50 x 0.70 mm
- Standard Frequency: 8 ~ 66MHz

- Low Impedance Performance
- AEC-Q200 Qualified



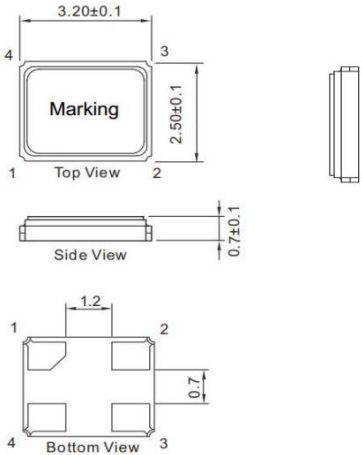
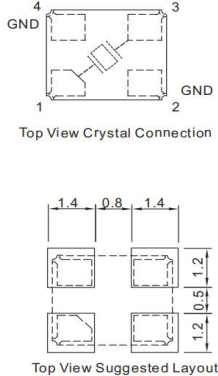
#### Specifications (规格参数)

| Item                                                   | Symbol | Specifications             |
|--------------------------------------------------------|--------|----------------------------|
| Nominal Frequency Range (额定频率范围)                       | f_nom  | 8 ~ 66MHz                  |
| Vibration Mode (震动模式)                                  | -      | AT Fundamental             |
| Load Capacitance (负载电容)                                | CL     | 8pF, 12pF, 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     | 3pF Max                    |
| Level of Drive (激励电平)                                  | DL     | 1~200µW Max(100µW typical) |
| Aging (老化) (at 25°C)                                   | f_age  | ±2ppm/year Max             |

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

| YSX321SC     |          |              |         |
|--------------|----------|--------------|---------|
| 8 ~ 9.9MHz   | 800Ω Max | 13 ~ 15.9MHz | 80Ω Max |
| 10 ~ 10.9MHz | 250Ω Max | 16 ~ 20.9MHz | 70Ω Max |
| 11 ~ 11.9MHz | 150Ω Max | 21 ~ 29.9MHz | 60Ω Max |
| 12 ~ 12.9MHz | 100Ω Max | 30 ~ 66.0MHz | 50Ω Max |

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

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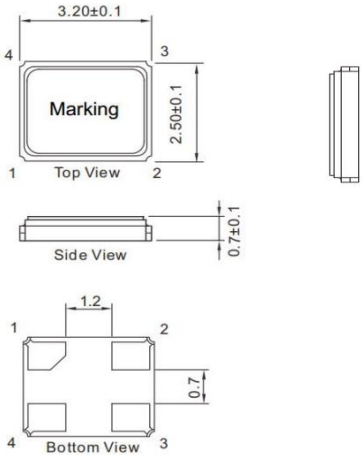
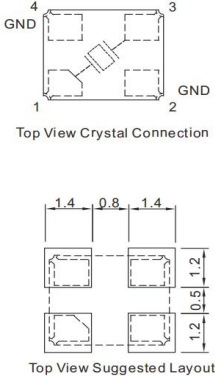
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