

# LUCKI CM ELECTRONICS Co.,Ltd



## ■ Features

- 3.2 x 2.5 x 0.7 MAX. mm of surface mounted quartz crystal units.
- Excellent reliability characteristics such as heat and mechanical shock.
- Pb-free and satisfy Ro Hs requirements.
- Reflow soldering is available.

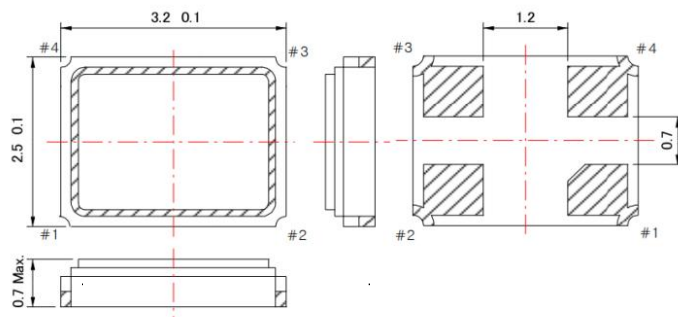
## ■ Applications

Digital Electronics, Consumer Products, Mobile Communications, Bluetooth, Wireless LAN and Automotive

## ■ Specifications

|                                                     |                                                                              |
|-----------------------------------------------------|------------------------------------------------------------------------------|
| LK P/N                                              | L327S320D11                                                                  |
| Nominal Frequency                                   | 32.000 MHz                                                                   |
| Oscillation Mode                                    | <input checked="" type="checkbox"/> Fundamental <input type="checkbox"/> 3rd |
| Frequency tolerance at 25°C                         | ±10 ppm                                                                      |
| Operating temperature range and frequency stability | -40°C~+85°C/±20ppm                                                           |
| Equivalent series resistance                        | 20 Ω                                                                         |
| Shunt capacitance                                   | 2 pF Max or specify                                                          |
| Load capacitance                                    | 8 pF                                                                         |
| Drive level (Max.)                                  | 10, 100, 300 μW or specify                                                   |
| Insulation resistance                               | 500MΩ Min. at DC 100V                                                        |
| Aging at 25°C                                       | ± 2 ppm / year Max                                                           |
| Storage temperature range                           | -40 ~ +125 °C                                                                |
| Measure instrument                                  | S&A 250B system with PI circuit                                              |
| Others                                              |                                                                              |

## ■ Dimensions (unit: mm)



| Pin | Function               |
|-----|------------------------|
| #1  | Xtal Terminal (Input)  |
| #2  | GND                    |
| #3  | Xtal Terminal (Output) |
| #4  | GND                    |

## ■ Land pattern (unit: mm)

