



## CRYSTAL UNIT

# CGX-50322, CGX-50324

## Applications

- Automotive / MultiMedia / Bluetooth

## Features

- Dimensions (5.0 × 3.2 × 1.1)
- Ceramic SMD Package
- Glass Sealed
- Excellent Environment Resistant
- Reflow Soldering / Emboss Taping
- Compliant products with AEC-Q200

## Specifications



| Model                                                 | CGX-50322, CGX-50324                                                             |
|-------------------------------------------------------|----------------------------------------------------------------------------------|
| Nominal frequency range                               | 8.000 ~ 54.000 MHz                                                               |
| Crystal cut                                           | Fundamental [AT-cut]                                                             |
| Storage temperature range                             | -40 ~ +90°C, -40 ~ +125°C                                                        |
| Operating temperature range                           | -40 ~ +85°C, -40 ~ +125°C                                                        |
| Frequency temperature characteristics (Ref. to +25°C) | $\pm 50 \times 10^{-6}$ , $\pm 100 \times 10^{-6}$                               |
| Frequency tolerance (at +25°C)                        | $\pm 30 \times 10^{-6}$ , $\pm 50 \times 10^{-6}$                                |
| Equivalent series resistance                          | 150Ω: 8.000 ~ 9.999 MHz<br>100Ω: 10.000 ~ 22.999 MHz<br>50Ω: 23.000 ~ 54.000 MHz |
| Load capacitance                                      | series, 10pF, 12pF, 16pF, 18pF, 20pF                                             |
| Shunt capacitance                                     | 5pF max.                                                                         |
| Level of drive                                        | 10 μW (100 μW max.)                                                              |

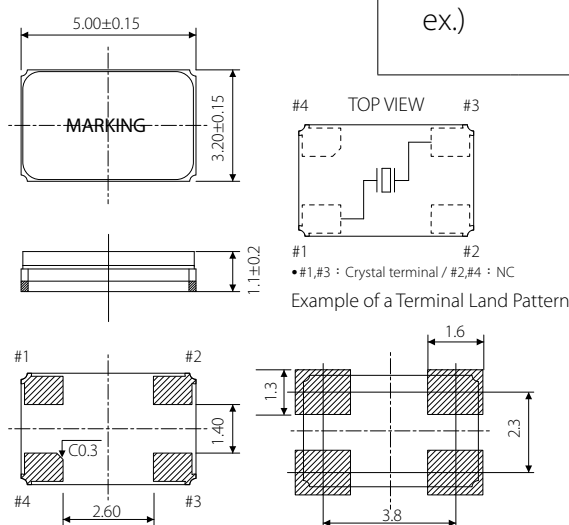
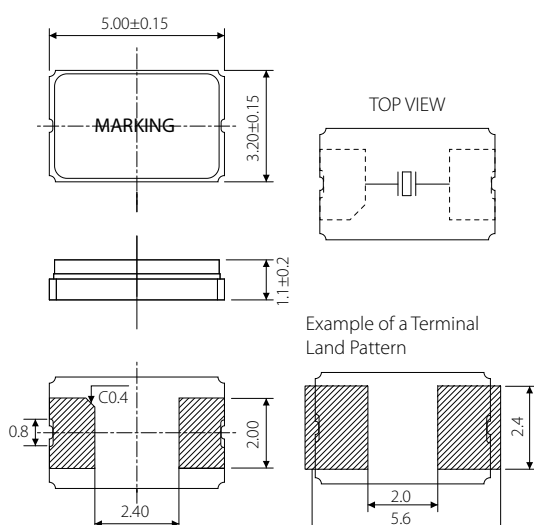
Package quantity: 1,000pcs max./Reel.

The product is suitable for Car multimedia, Car accessory application.

## Outline and Dimensions [unit:mm]

### CGX-50322

### CGX-50324



| Maximum marking length |       | Marking           |
|------------------------|-------|-------------------|
| line1                  | line2 |                   |
| 7                      | 7     | Laser             |
| ex.)                   |       | 16. 0GA<br>SIWARD |