

## NX1612SA

For OA / AV / Short-range Wireless

### ■ Features

- A small and thin surface-mount type crystal unit.
- Ideal for Wearable device and Short-range Wireless module.
- Ultra compact and thin (Typ. 1.6 × 1.2 × 0.3 mm)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



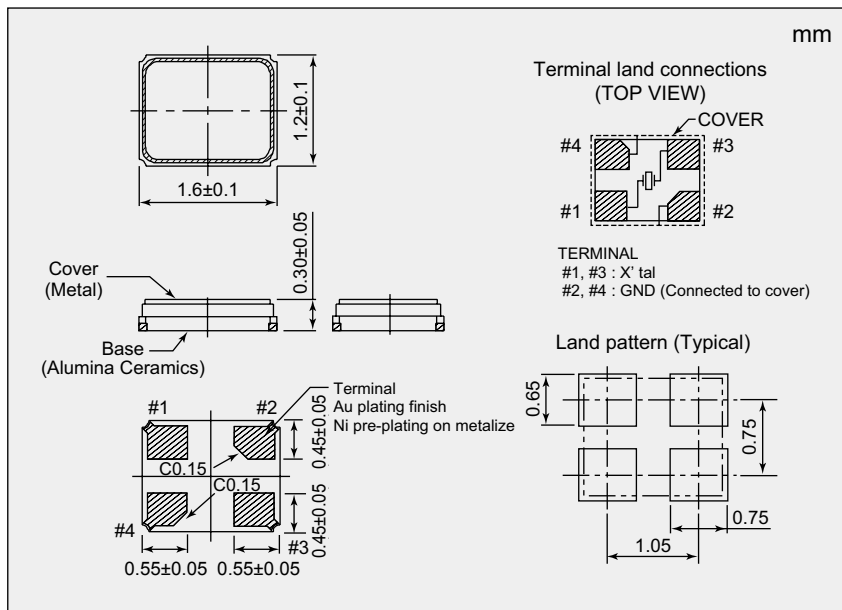
Pb Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

| Item  | Model | NX1612SA               |
|---|-------|------------------------|
| Main Application  |       | For OA / AV            |
| Nominal Frequency   |       | 24 to 80 MHz           |
| Overtone Order  |       | Fundamental            |
| Frequency Tolerance (25 ±3 °C)  |       | ±10 × 10 <sup>-6</sup> |
| Frequency versus Temperature Characteristics (with reference to +25 °C) |       | ±15 × 10 <sup>-6</sup> |
| Operating Temperature Range   |       | -30 to +85 °C          |
| Storage Temperature Range   |       | -40 to +85 °C          |
| Equivalent Series Resistance  |       | Refer to *1            |
| Level of Drive  |       | 10 μW (Max. 200 μW)    |
| Load Capacitance  |       | 8 pF                   |
| Specifications Number   |       | STD-CIS-1              |

### ■ Dimensions



\*1 Equivalent Series Resistance

| Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|-------------------------|---------------------------------------|
| 24 to 32                | 150                                   |
| 32 to 38                | 100                                   |
| 38 to 80                | 80                                    |

Please specify the model name, frequency, and specification number when you order products.  
For further questions regarding specifications, please feel free to contact us.