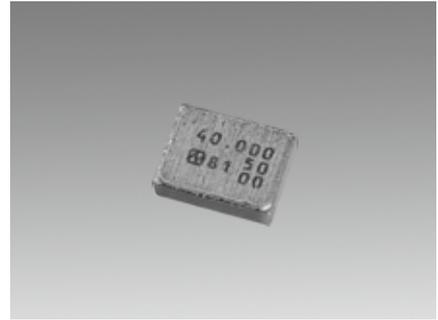


## NX1008AA

For OA / AV / Short-range Wireless

### ■ Features

- Ultra compact and thin surface-mount type crystal unit.
- Ultra compact and thin (Typ. 1.0 × 0.8 × H : 0.30mm) <Also supports H: Max. 0.27mm>.
- Highly reliable crystal unit.
- A product with characteristics best suited for ultra compact Wireless LAN and Bluetooth.(For Short-range Wireless)
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



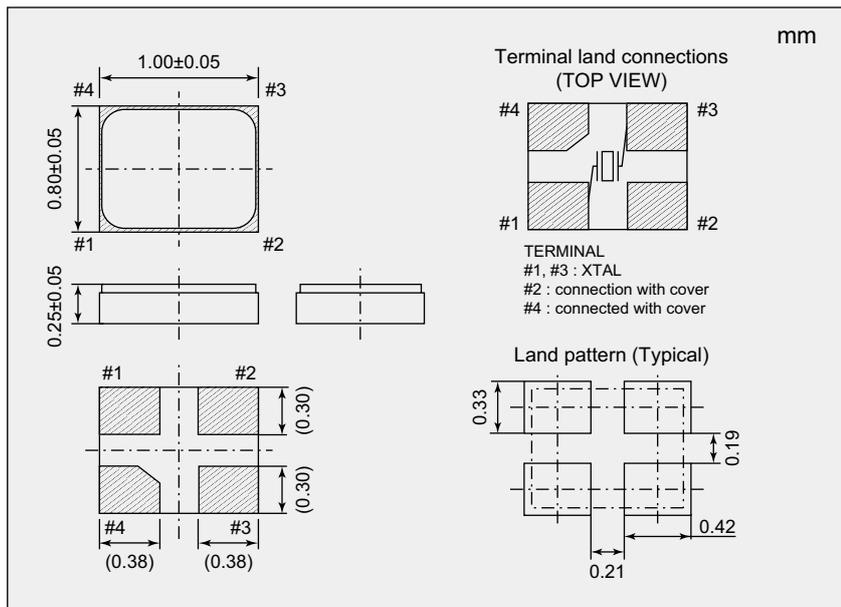
Pb Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

| Item  | Model | NX1008AA               |                        |
|---|-------|------------------------|------------------------|
| Nominal Frequency   |       | 32 to 60 MHz           | 60 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) |       | ±10 × 10 <sup>-6</sup> | ±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                  |                        |
| Load Capacitance  |       | 8 pF                   |                        |
| Specifications Number   |       | STD-CIY-1              |                        |

### ■ Dimensions



\*1 Equivalent Series Resistance

| Nominal Frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|-------------------------|---------------------------------------|
| 32 to 37.4              | 150                                   |
| 37.4 to 48              | 80                                    |
| 48 to 80                | 60                                    |