

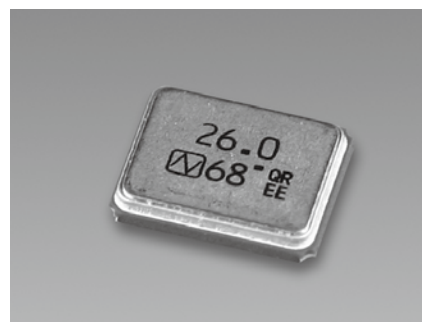
## NX3225SA

For Automotive

### ■ Features

A small surface-mount type crystal unit, ideal for automotive applications.

- With a well established reputation for reliability, this product is best suited for automotive equipment.
- Stable start-up characteristic even under extremely severe environmental conditions.
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



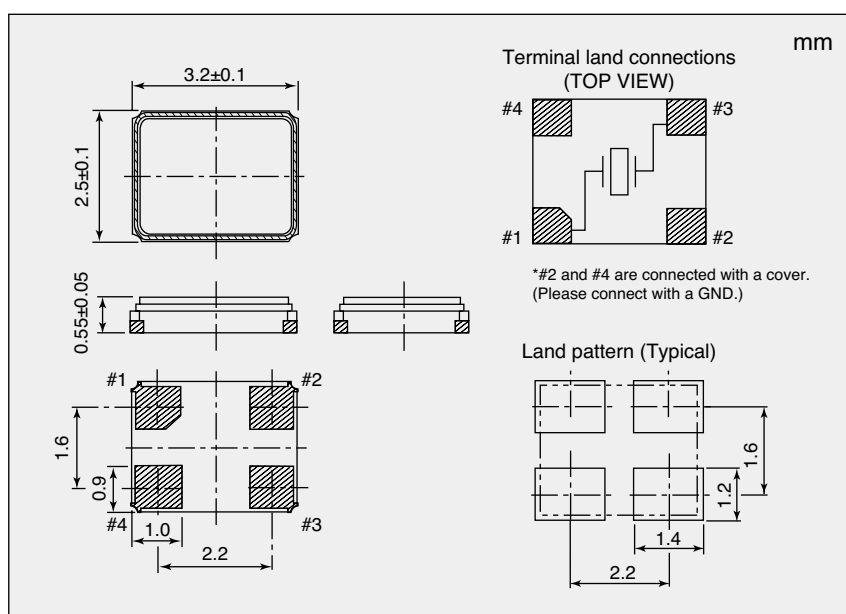
Pb  
Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

| Item  | Model | NX3225SA               |
|---|-------|------------------------|
| Nominal Frequency   |       | 12 to 50 MHz           |
| Overtone Order  |       | Fundamental            |
| Frequency Tolerance (25 ±3 °C)  |       | ±15 × 10 <sup>-6</sup> |
| Frequency versus Temperature Characteristics (with reference to +25 °C) |       | ±50 × 10 <sup>-6</sup> |
| Operating Temperature Range   |       | -40 to +125 °C         |
| Storage Temperature Range   |       | -40 to +125 °C         |
| Equivalent Series Resistance  |       | Refer to *1            |
| Level of Drive  |       | 10 μW (Max. 200 μW)    |
| Load Capacitance  |       | 8 pF                   |
| Specifications Number   |       | STD-CRS-2              |

### ■ Dimensions



#### \*1 Equivalent Series Resistance

| Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|-------------------------|---------------------------------------|
| 12 to 20                | 120                                   |
| 20 to 50                | 100                                   |

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