

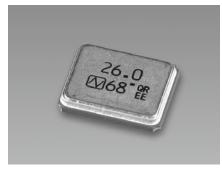
NX3225SA

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.





■ Specifications

| Item Model | NX3225SA |
|---|------------------------|
| Nominal Frequency | 12 to 50 MHz |
| Overtone Order | Fundamental |
| Frequency Tolerance (25 ±3 °C) | ±15 × 10 ⁻⁶ |
| Frequency versus Temperature Characteristics (with reference to +25 °C) | ±50 × 10⁻6 |
| 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 |

The above specifications are standard for this NDK product.

■ How to Specify an Order

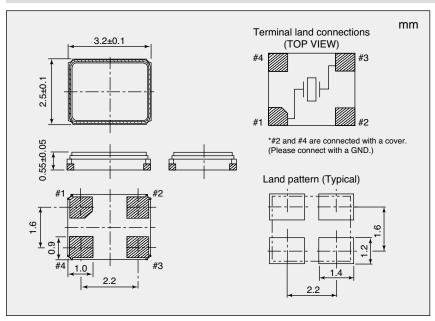
When ordering our products, specify them with an "Ordering Code" that consists of the following :

Model name - Frequency (Max : 9 digits) M - Number for specifying an order

Example NX3225SA-20.000M-STD-CRS-2

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (http://www.ndk.com/).

■ Dimensions



*1 Equivalent Series Resistance

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