

NX3225GA

For Automotive

■ Features

A surface-mount compact crystal unit suitable for automotive.

- Compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- Stable start-up characteristics even under extremely severe environmental conditions.
- Excellent environment-resistant performance, including heat, vibration and shock resistance.
- Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



RoHS Compliant
Directive 2011/65/EU

■ Specifications

| Item | Model | NX3225GA |
|---|-------|-------------------------|
| Nominal frequency | | 9.8 to 50 MHz |
| Overtone order | | Fundamental |
| Frequency tolerance (25 ±3 °C) | | ±50 × 10 ⁻⁶ |
| Frequency versus temperature characteristics (with reference to +25 °C) | | ±150 × 10 ⁻⁶ |
| Operating temperature range | | -40 to +150 °C |
| Storage temperature range | | -40 to +150 °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.

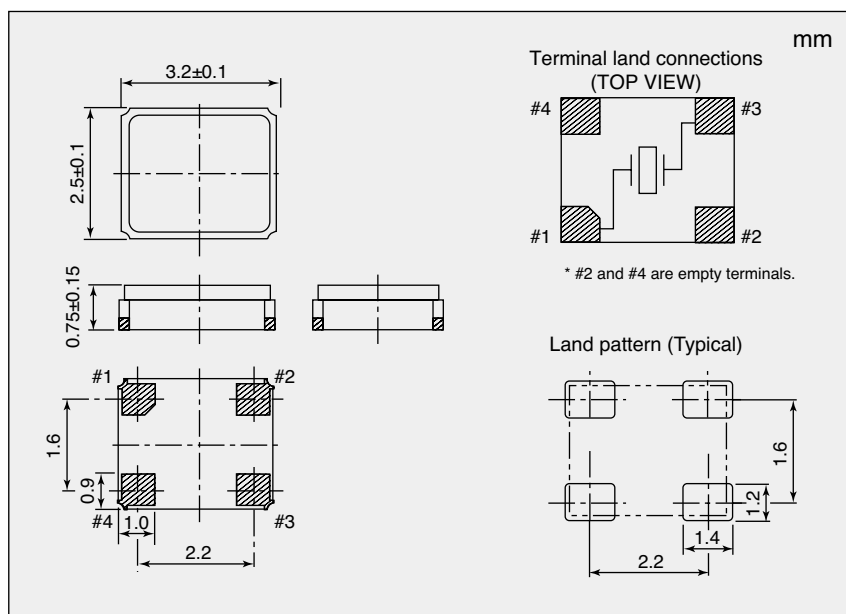
■ How to Specify an Order

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 NX3225GA-20.000M-STD-CRA-1

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] |
|-------------------------|---------------------------------------|
| 9.8 to 12 | 300 |
| 12 to 20 | 120 |
| 20 to 50 | 100 |