

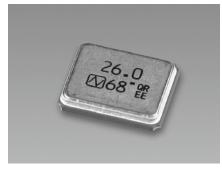
NX3225SA

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.

Custom-made specifications such as load capacitance and temperature characteristics are also available.

Please contact NDK sales with your enquiries.

■ How to Specify an Order

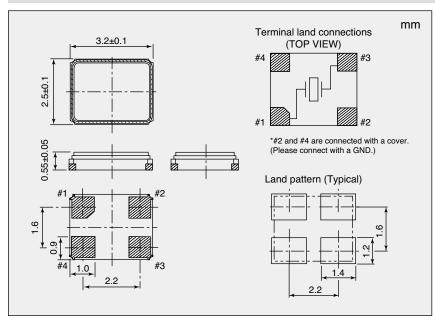
When ordering our products, specify them with an "Ordering Code" that consists of the following :

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