Crystal Units

Crystal Bridge to the Future

NX3225GB

For Automotive

■ Features

A small surface-mount type crystal unit, ideal for an engine control CPU clock; delivering the high reliability that is particularly demanded by automotive.

- ●Compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- ●High resistance to solder cracking.
- ●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	NX3225GB
Nominal frequency	12 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

*If you required 7.98 to 12MHz, please refer to NX3225GD.

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

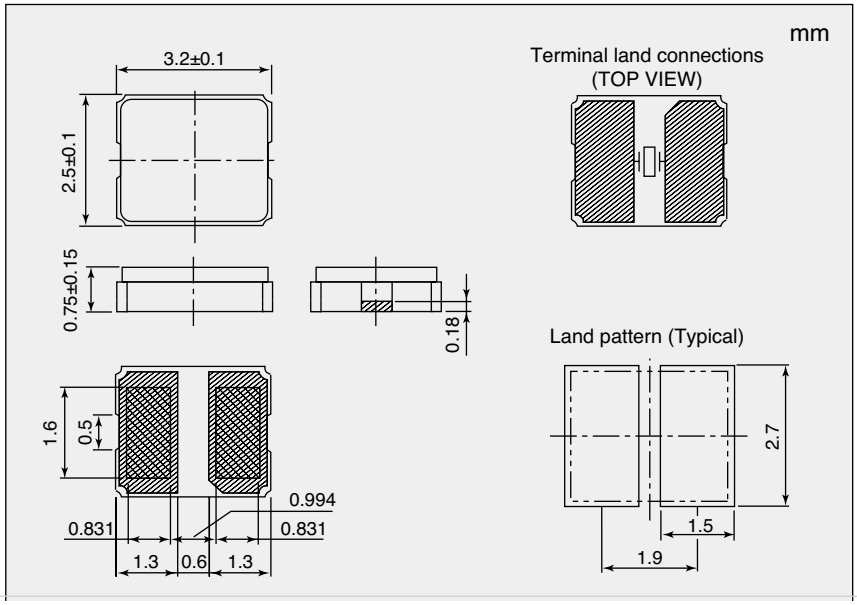
When ordering our products, specify them with an “Ordering Code” that consists of the following :

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

Example NX3225GB-12.000M-STD-CRA-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

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