

NX1255GB

For Automotive

■ Features

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

Compatible with an engine control CPU clock delivering the high reliability that is particularly demanded.

- Stable start-up characteristic even under extremely severe environmental conditions.
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- Compatible with low frequencies starting from 3.5 MHz.
- Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX1255GB
Nominal frequency		3.5 to 25 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 +125 °C
Storage temperature range		-40 to +125 °C
Equivalent series resistance		Refer to *1
Level of drive		50 µW (Max. 500 µW)
Load capacitance		12 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

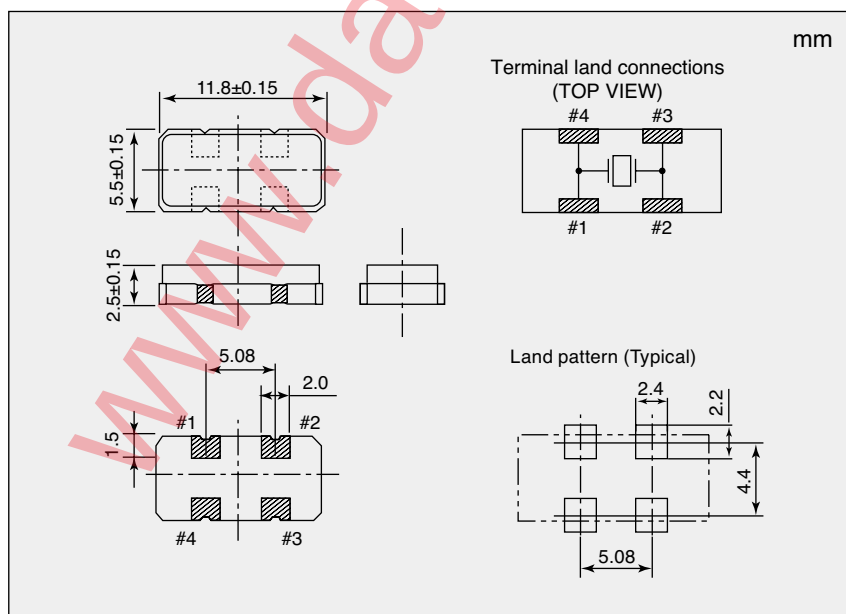
When ordering our products, specify them with an "Ordering Code" that consists of the following :

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

Example NX1255GB-4.000M-STD-CSS-3

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]
3.5 to 4	200
4 to 8	180
8 to 12	120
12 to 25	80