

NX5032GA

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, and compatible with low frequencies starting from 8 MHz.

- Compact and thin. (5.0 × 3.2 × 1.3 mm typ.)
- Stable start-up characteristic even under extremely severe environmental conditions.
- Excellent environmental characteristics, 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	NX5032GA
Nominal frequency		8 to 40 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. 500 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.

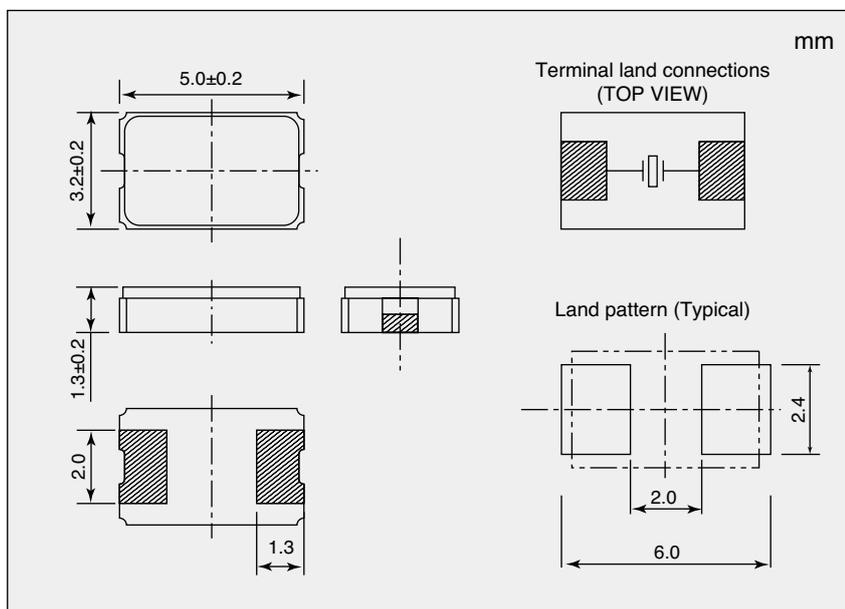
■ How to Specify an Order

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 NX5032GA-16.000M-STD-CSU-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]
8 to 9.5	300
9.5 to 10	220
10 to 15	150
15 to 20	120
20 to 24	100
24 to 30	80
30 to 40	50