

NX8045GD (J Lead Type)

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. Compatible with low frequencies starting from 5 MHz. (8.0 × 4.5 × 2.0 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.
- Excellent performance for wide temperature range heat cycles (-40 to +125 °C) when mounted on a glass epoxy circuit board.
- Conforms to AEC-Q200.



RoHS Compliant
Directive 2002/95/EC

■ Specifications

Item	Model	NX8045GD (J Lead)
Nominal frequency		5 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 +125 °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.

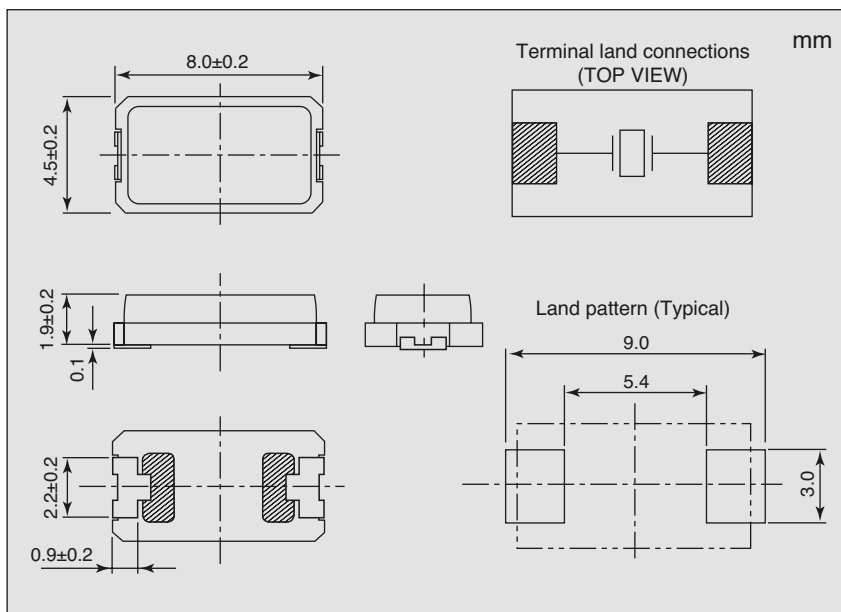
■ How to Specify an Order

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 NX8045GD-10.000M-STD-CJJ-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]
5 to 8	300
8 to 10	220
10 to 20	150
20 to 40	100