

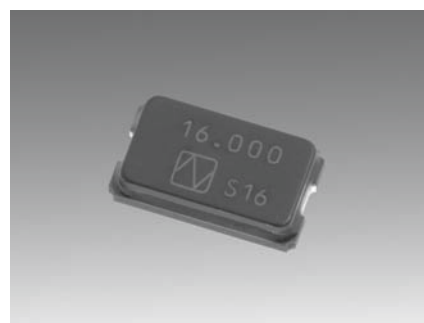
## NX8045GB

For Car Electronics

### ■ Features

A small surface-mount type crystal unit, ideal for an engine control CPU clock; delivering the high reliability that is particularly demanded by car electronics. Compatible with low frequencies starting from 4MHz. (8.0 × 4.5 × 1.8mm typ.)

- 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.



RoHS Compliant  
Directive 2002/95/EC

### ■ Specifications

Item	Model	NX8045GB
Frequency Range		4 to 40MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ±3°C)		±50 × 10 <sup>-6</sup>
Temperature Characteristics (with reference to +25°C)		±150 × 10 <sup>-6</sup>
Operating Temperature Range		-40 to +150°C
Equivalent Series Resistance		Refer to *1
Drive Level		10μW(Max:500μW)
Load Capacitance		8pF

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.

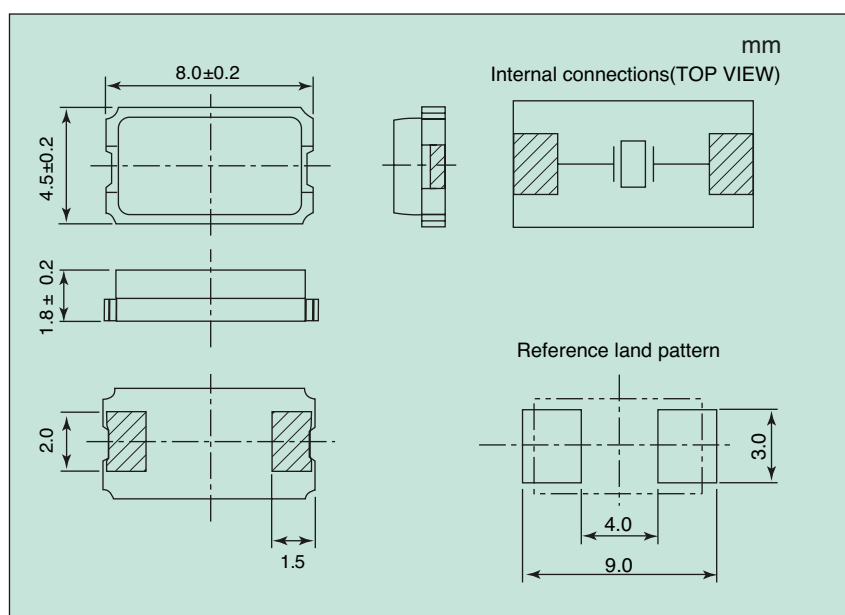
### ■ How to Specify an Order

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

-  M - 
Example NX8045GB-4.000M-STD-CJL-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

Frequency (MHz) (Range)	Equivalent Series Resistance max.[Ω]
4 to 8	300
8 to 10	220
10 to 40	150