

## NX8045GE

For Automotive

### ■ Features

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

- Supports low frequencies (from 4MHz to 8MHz).
- Small SMD package. (8.0×4.5×2.0mm)
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- High resistance to solder cracking. Excellent performance for wide temperature range heat cycles (-40 to +150°C, 3,000 cycles) when mounted on a glass epoxy circuit board.
- Support a wide operating temperature range (-40 to +150°C).
- Meets the requirements for re-flow profiling using lead-free solder.



RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

Item	Model	NX8045GE
Nominal Frequency		4 to 8 MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ±3 °C)		±50 × 10 <sup>-6</sup>
Frequency versus Temperature Characteristics (with reference to +25 °C)		±150 × 10 <sup>-6</sup>
Operating Temperature Range		-40 to +150 °C
Storage Temperature Range		-40 to +150 °C
Equivalent Series Resistance		Max. 150 Ω
Level of Drive		50 μW (Max. 500 μW)
Load Capacitance		8 pF

The above specifications are standard for this NDK product.

### ■ 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 NX8045GE-4.000M-STD-CJL-6

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

