

NX8045GE

For Automotive

■ Features

A small surface-mount type crystal unit. Compatible with low frequencies(from 4MHz to 8MHz).
Ideal for Automotive applications which require high reliability.

Recommendable for replacement of AT-51.

- Small SMD package. (8.0 × 4.5 × 2.0 mm typ.)
[Compared with AT-51AD/CD, this crystal unit is reduced 82% less in volume.]
- High resistance to solder cracking. Excellent performance for wide temperature range heat cycles (-40 to +125 °C, 3,000 cycles) when mounted on a glass epoxy circuit board.
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- 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 ⁻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		Max. 150 Ω
Level of drive		50 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 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

