

### ■ Features

A high precision small surface-mount type crystal unit, suitable for mobile communications such as the base clock of mobile phone handsets.

- Compact and thin. (4.9 × 3.1 × 0.75 mm typ.)
- Frequencies for the base clock source of a variety of mobile phones are available.
- Excellent electrical characteristics and environmental performance, ideal for mobile communication applications.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb  
Free

RoHS Compliant  
Directive 2002/95/EC

### ■ Specifications

Item	Model	NX5032SA
Nominal frequency		12 to 50 MHz
Overtone order		Fundamental
Frequency tolerance (25 ±3 °C)		±10 × 10 <sup>-6</sup>
Frequency versus temperature characteristics (with reference to +25 °C)		±10 × 10 <sup>-6</sup>
Operating temperature range		-20 to +75 °C
Storage temperature range		-40 to +85 °C
Equivalent series resistance		Max. 40 Ω
Level of drive		10 μW (Max. 100 μW)
Load capacitance		10 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 NX5032SA-12.000M-STD-CSG-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

