

## NX4025DA For Mobile Communications / Bluetooth

### ■ Features

A small surface-mount type crystal unit compatible with mobile phone handsets and the base clock frequency for Bluetooth.

- Ultra compact and thin. (4.0 × 2.5 × 0.6mm typ.)
- Frequencies that meet most mobile phone and Bluetooth applications are available.
- Excellent electrical performance, ideal for mobile phone handsets and Bluetooth applications.
- Excellent environmental characteristics, including heat and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



**Pb Free**

**RoHS Compliant**  
Directive 2002/95/EC

### ■ Specifications

Item	Model	NX4025DA
Frequency Range		12 to 32MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ±3°C)		±10 × 10 <sup>-6</sup>
Temperature Characteristics (with reference to +25°C)		±10 × 10 <sup>-6</sup>
Operating Temperature Range		-20 to +75°C
Equivalent Series Resistance		Refer to *1
Drive Level		10μW(Max:100μW)
Load Capacitance		10pF

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.

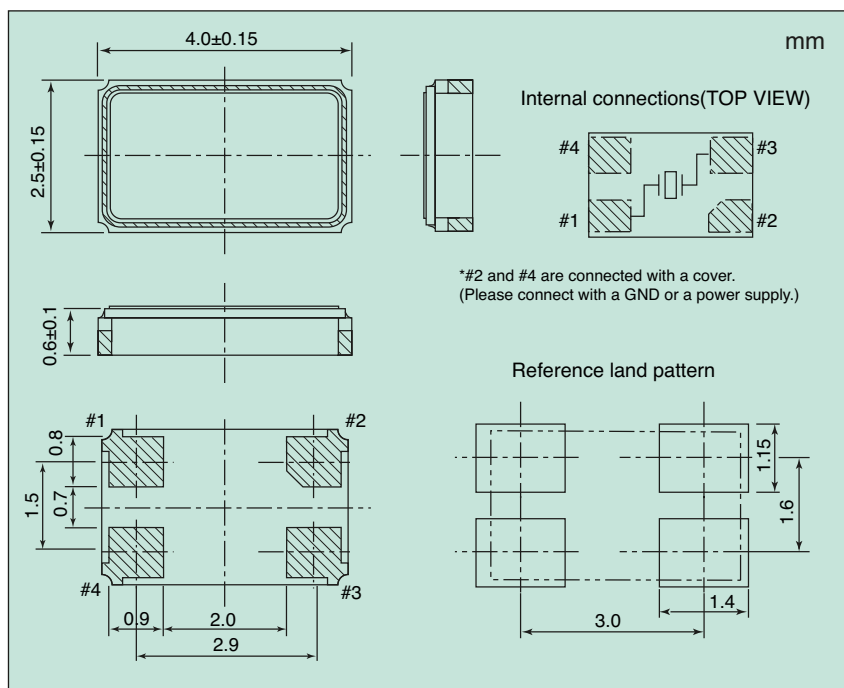
### ■ How to Specify an Order

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 NX4025DA-16.000M-STD-CST-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

Frequency (MHz) (Range)	Equivalent Series Resistance max.[Ω]
12 to 13	80
13 to 16	60
16 to 20	50
20 to 32	40