

## NX2520SA

For Mobile Communications

### ■ Features

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

- Ultra compact and thin. (2.5 × 2.0 × 0.5 mm typ.)
- Excellent environmental performance and heat 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	NX2520SA
Nominal frequency		16 to 54 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		Refer to *1
Level of drive		10 μW (Max. 100 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.

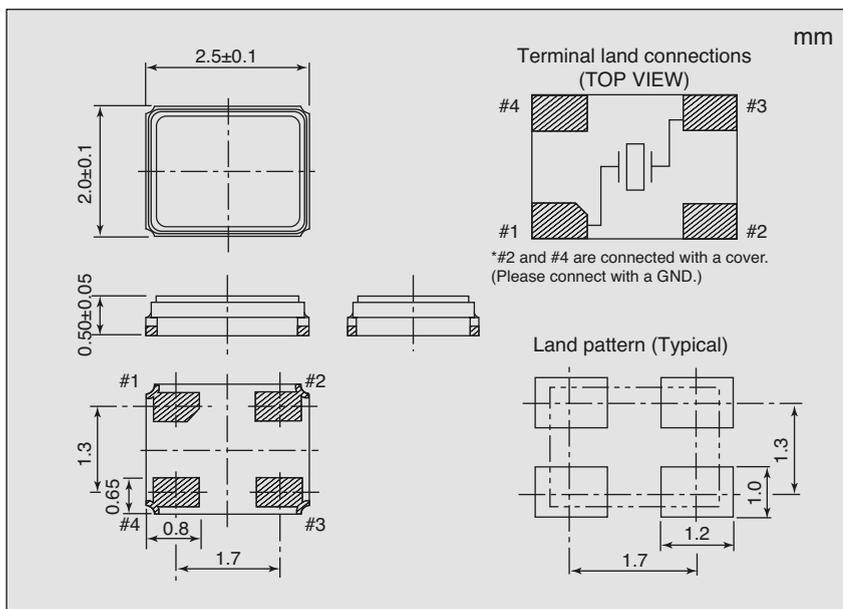
### ■ How to Specify an Order

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 NX2520SA-26.000M-STD-CSX-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

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
16 to 20	80
20 to 30	60
30 to 35	50
35 to 54	40