

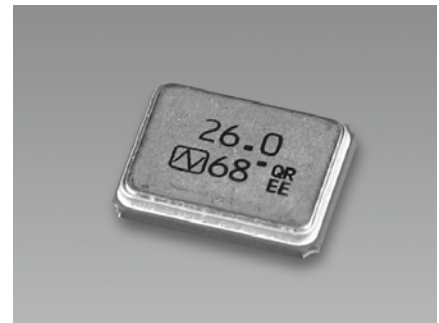
## NX3225SA

For Mobile Communications

### ■ Features

A small surface-mount type crystal unit, especially suited for small-sizing requirements.

- Compact and thin. (3.2 × 2.5 × 0.55 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Excellent electrical performance for mobile communication applications.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

Item	Model	NX3225SA
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		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.

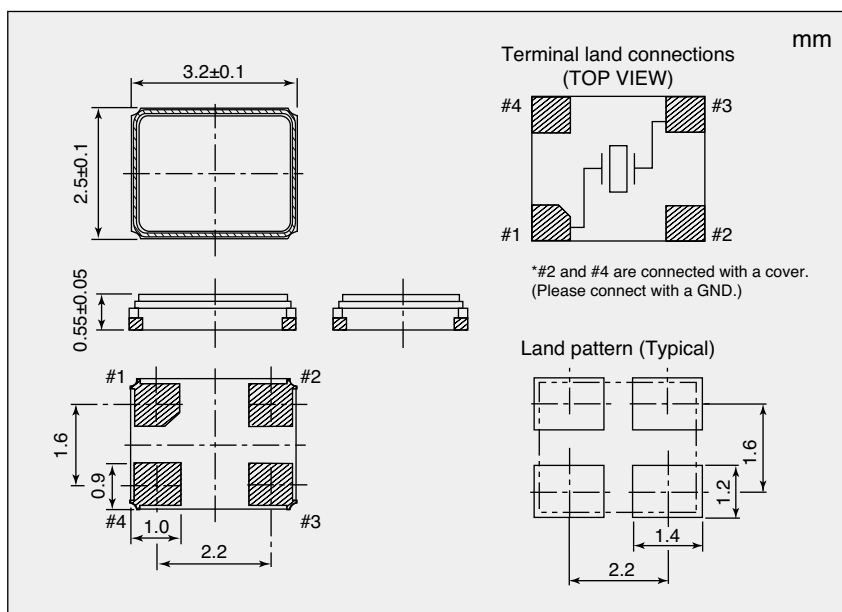
### ■ How to Specify an Order

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 NX3225SA-19.200M-STD-CSQ-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 54	50