# **Crystal Units**



# NX2520SA For OA / AV/ Short-range Wireless

## Features

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

Compatible with low frequencies starting from 16 MHz.

- •Compact and thin. (2.5 × 2.0 × 0.50 mm typ.)
- •Excellent environmental characteristics, including heat and shock resistance.
- •Excellent electrical performance, ideal for OA (office automation), AV
- (audiovisual), Bluetooth and Wireless LAN applications.
- •Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb Free Direc

RoHS Compliant Directive 2011/65/EU

#### Specifications

Item Model	NX2520SA
Nominal frequency	16 to 80 MHz
Overtone order	Fundamental
Frequency tolerance (25 ±3 °C)	±15 × 10 <sup>-6</sup>
Frequency versus temperature characteristics (with reference to +25 °C)	±25 × 10⁻ <sup>6</sup>
Operating temperature range	−40 to +85 °C
Storage temperature range	−40 to +85 °C
Equivalent series resistance	Refer to *1
Level of drive	10 μW (Max. 200 μW)
Load capacitance	8 pF

The above specifications are standard for this NDK product.

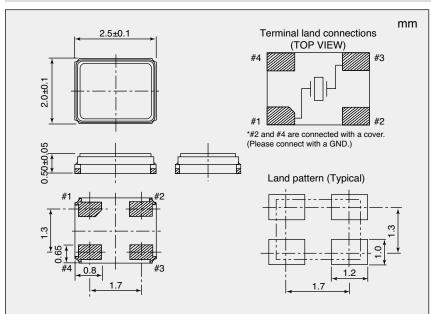
### How to Specify an Order

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

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 80	40

Example NX2520SA-16.000M-STD-CSW-5