

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.

- Ultra 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

RoHS Compliant
Directive 2002/95/EC

■ Specifications

| Item | Model | NX2520SA |
|---|-------|------------------------|
| Nominal frequency | | 16 to 80 MHz |
| Overtone order | | Fundamental |
| Frequency tolerance (25 ±3 °C) | | ±15 × 10 ⁻⁶ |
| Frequency versus temperature characteristics (with reference to +25 °C) | | ±25 × 10 ⁻⁶ |
| 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.

Custom-made specifications such as load capacitance and temperature characteristics are also available.

Please contact NDK sales with your enquiries.

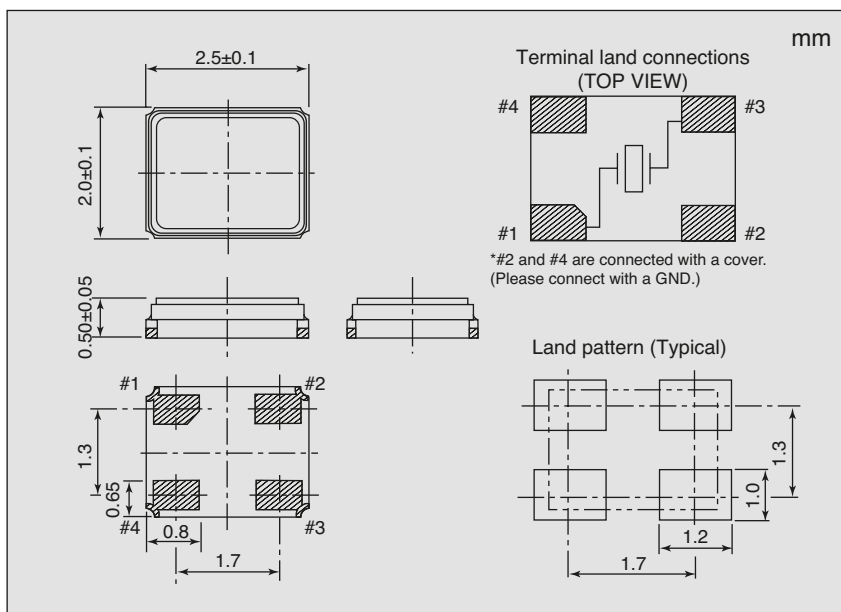
■ How to Specify an Order

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-16.000M-STD-CSW-5

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 |