

NX1612AA

For Short-range Wireless

■ Features

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

- Ultra compact and thin. (1.6 × 1.2 × 0.3 mm typ., Max. H:0.35 mm)
- Highly reliable.
- Ideal for ultra compact Wireless LAN and Bluetooth.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder



Pb Free

RoHS Compliant
Directive 2002/95/EC

■ Specifications

| Item | Model | NX1612AA |
|---|-------|------------------------|
| Nominal frequency | | 26 to 54 MHz |
| Overtone order | | Fundamental |
| Frequency tolerance (25 ±3 °C) | | ±10 × 10 ⁻⁶ |
| Frequency versus temperature characteristics (with reference to +25 °C) | | ±10 × 10 ⁻⁶ |
| Operating temperature range | | -20 to +70 °C |
| Storage temperature range | | -40 to +85 °C |
| Equivalent series resistance | | Refer to *1 |
| Level of drive | | 10 μW (Max. 200 μW) |
| Load capacitance | | 7 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.

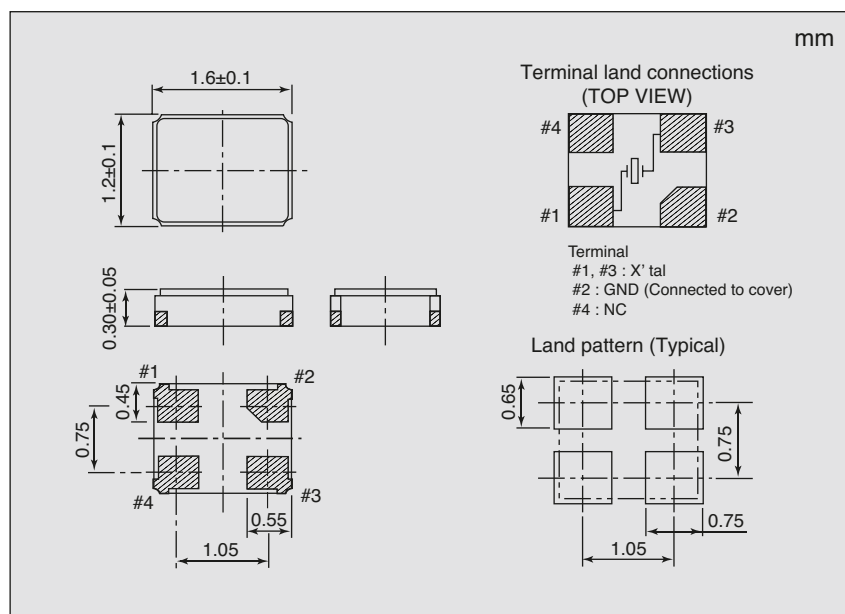
■ How to Specify an Order

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 NX1612AA-26.000M-STD-CSI-2

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] |
|-------------------------|---------------------------------------|
| 26 to 32 | 150 |
| 32 to 38 | 100 |
| 38 to 54 | 80 |