

NX1612AA

For OA / AV / 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 TV tuners. (For OA / AV)
- Ideal for ultra compact Wireless LAN and Bluetooth.(For Short-range Wireless)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder



Pb
Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX1612AA		
Main application		For OA / AV		For Short-range Wireless
Nominal frequency		24 to 80 MHz		
Overtone order		Fundamental		
Frequency tolerance (25 ±3 °C)		±20 × 10 ⁻⁶	±20 × 10 ⁻⁶	±10 × 10 ⁻⁶
Frequency versus temperature characteristics (with reference to +25 °C)		±25 × 10 ⁻⁶	±20 × 10 ⁻⁶	±10 × 10 ⁻⁶
Operating temperature range		-40 to +85 °C	-30 to +75 °C	-20 to +70 °C
Storage temperature range		-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Equivalent series resistance		Refer to *1		
Level of drive		10 µW (Max. 200 µW)		
Load capacitance		8 pF		7 pF
Number for specifying an order		STD-CSI-3	STD-CSI-1	STD-CSI-2

The above specifications are standard for this NDK product.

■ How to Specify an Order

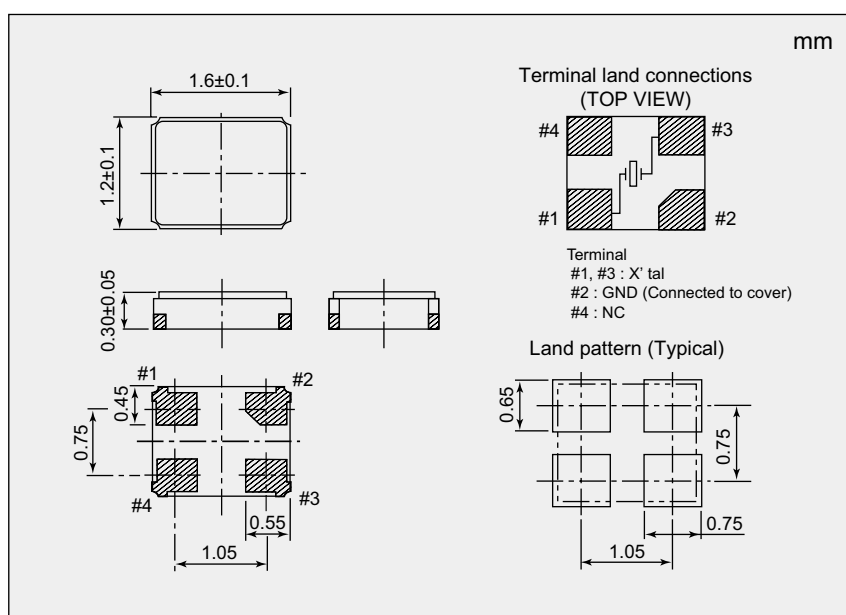
When ordering our products, specify them with an "Ordering Code" that consists of the following :

Model name - Frequency (Max : 9 digits) M - Number for specifying an order

When ordering a product with model name: NX1612AA,
For OA / AV frequency: 32.000MHz, and Frequency versus
temperature characteristics: ±25 × 10⁻⁶
Ordering Code : NX1612AA-32.000M-STD-CSI-3

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]
24 to 32	150
32 to 38	100
38 to 80	80