

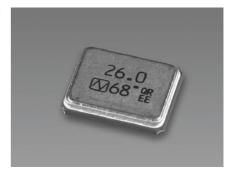
NX3225SA

For OA / AV / Short-range Wireless

■ Features

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

- •Ultra compact and thin. $(3.2 \times 2.5 \times 0.55 \text{mm typ.})$
- •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.







■ Specifications

Item Model	NX3225SA
Frequency Range	12 to 54MHz
Overtone Order	Fundamental
Frequency Tolerance (25 ±3°C)	±15 × 10 ⁻⁶
Temperature Characteristics (with reference to +25°C)	±15 × 10 ⁻⁶
Operating Temperature Range	−10 to +75°C
Equivalent Series Resistance	Refer to *1
Drive Level	10μW(Max:200μW)
Load Capacitance	8pF

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.

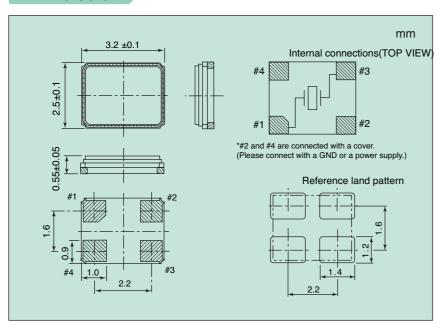
■ How to Specify an Order

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-12.000M-STD-CSR-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

Frequency (MHz) (Range)	Equivalent Series Resistance max.[Ω]
12 to 13	120
13 to 16	100
16 to 20	80
20 to 30	70
30 to 54	50