Crystal Units

NDK
Crystal Bridge to the Future

NX3225GA

For OA / AV

■ Features

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

- Ultra compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- Excellent environmental characteristics, including heat and shock resistance.
- Excellent electrical performance for OA (office automation) and AV (audiovisual) applications.
- Meets the requirements for re-flow profiling using lead-free solder.
- Outstanding cost performance.

RoHS Compliant
Directive 2002/95/EC

■ Specifications

Item Model	NX3225GA
Frequency Range	9.84375 to 50 MHz
Overtone Order	Fundamental
Frequency Tolerance (25 ±3 °C)	$\pm 20 \times 10^{-6}$
Temperature Characteristics (with reference to +25 °C)	$\pm 30 \times 10^{-6}$
Operating Temperature Range	−10 to +70 °C
Storage Temperature Range	−40 to +85 °C
Equivalent Series Resistance	Refer to *1
Drive Level	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.
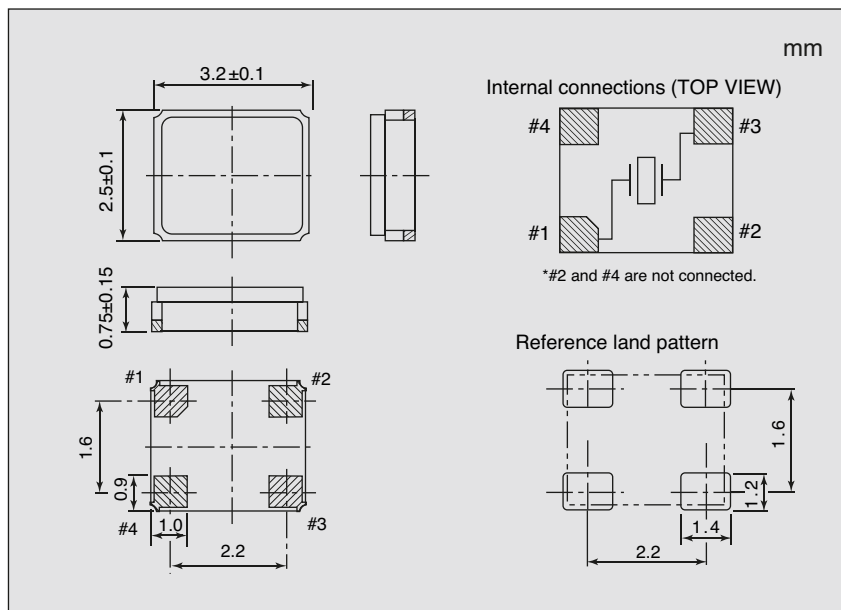Please contact NDK sales with your enquiries.

■ 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 NX3225GA-27.000M-STD-CRG-1

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 Range (MHz)	Equivalent Series Resistance max. [Ω]
9.84375 to 12	200
12 to 13	100
13 to 20	80
20 to 50	50

mm

3.2±0.1
2.5±0.1
0.75±0.15

1.6
0.9
#1 #2 #4 #3
1.0
2.2

Internal connections (TOP VIEW)

#4   #3
#1   #2

*#2 and #4 are not connected.

Reference land pattern

1.6
1.2
1.4
2.2