Quartz Crystal Units

NX3225SA

Features

A small surface-mount type crystal unit, ideal for automotive applications.

- •With a well established reputation for reliability, this product is best suited for automotive equipment.
- Stable start-up characteristic even under extremely severe environmental conditions.
- •Excellent environmental characteristics, including heat, vibration and shock resistance.
- •Lead-free. Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.





RoHS Compliant Directive 2002/95/EC

For Automotive

Specifications

Item	NX3225SA
Nominal frequency	12 to 50 MHz
Overtone order	Fundamental
Frequency tolerance (25 ±3 °C)	±15 × 10 ⁻⁶
Frequency versus temperature characteristics (with reference to +25 °C)	±50 × 10 ⁻⁶
Operating temperature range	–40 to +125 °C
Storage temperature range	–40 to +125 °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 NX3225SA-20.000M-STD-CRS-2

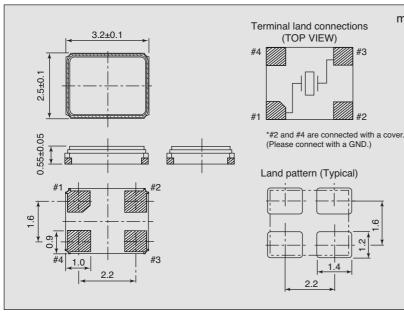
If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (http://www.ndk.com/).

2.2

#3

mm

Dimensions



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
12 to 20	120
20 to 50	100



