Crystal Units

NX3225GD

Features

A small surface-mount type crystal unit, ideal for an engine control CPU clock; delivering the high reliability that is particularly demanded by automotive.

Compatible with low frequency range starting from 7.98 MHz.

- •Compact and thin. (3.2x2.5mm typ., t1.0mm max.)
- •High resistance to solder cracking.
- •Stable start-up characteristics even under extremely severe environmental conditions.
- •Excellent environment-resistant performance, including heat, vibration and shock resistance.
- •Meets the requirements for re-flow profiling using lead-free solder.
- •Conforms to AEC-Q200.



RoHS Compliant Directive 2011/65/EU

Specifications

Item Model	NX3225GD
Nominal frequency	7.98 to 12 MHz
Overtone order	Fundamental
Frequency tolerance (25 ±3 °C)	±50 × 10 ⁻⁶
Frequency versus temperature characteristics (with reference to +25 °C)	±150 × 10 ⁻⁶
Operating temperature range	−40 to +150 °C
Storage temperature range	−40 to +150 °C
Equivalent series resistance	Refer to *1
Level of drive	10 μW (Max. 200 μW)
Load capacitance	8 pF

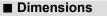
The above specifications are standard for this NDK product. Custom-made specifications such as load capacitance and temperature characteristics are also available. Please contact NDK sales with your enquiries.

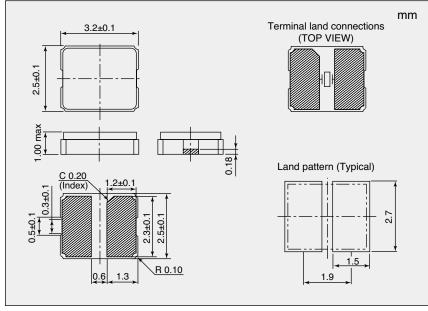
■ How to Specify an Order

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

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/).





*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]	
7.98 to 9.8	500	
9.8 to 12	300	

Example NX3225GD-8.000M-STD-CRA-3



For Automotive