

## NX3225GD

For Automotive

### ■ 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.

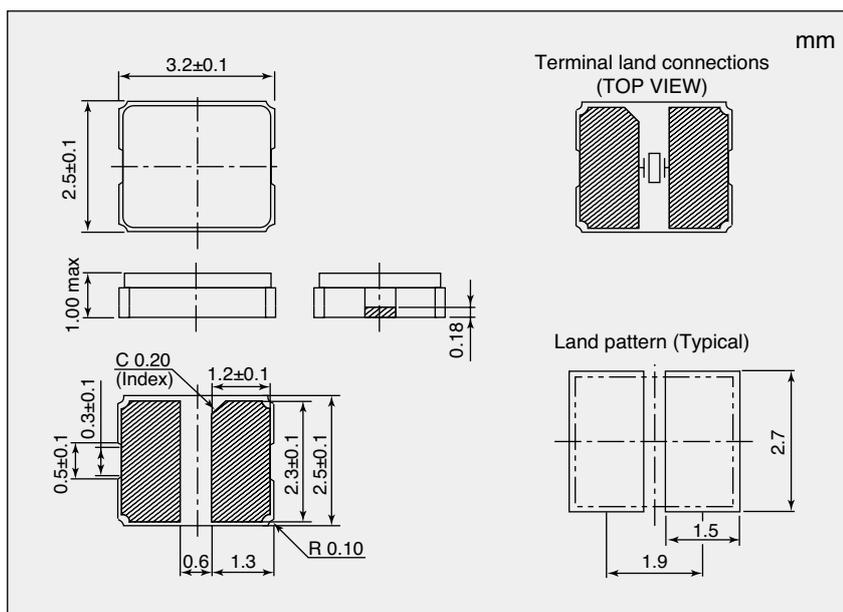


**RoHS Compliant**  
Directive 2011/65/EU

### ■ Specifications

Item	Model	NX3225GD
Nominal Frequency		7.98 to 12 MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ±3 °C)		±50 × 10 <sup>-6</sup>
Frequency versus Temperature Characteristics (with reference to +25 °C)		±150 × 10 <sup>-6</sup>
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
Specifications Number		STD-CRA-3

### ■ Dimensions



\*1 Equivalent Series Resistance

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

Please specify the model name, frequency, and specification number when you order products. For further questions regarding specifications, please feel free to contact us.