

## NX3225GA

For Automotive

### ■ Features

A surface-mount compact crystal unit suitable for automotive.

- Compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- 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.

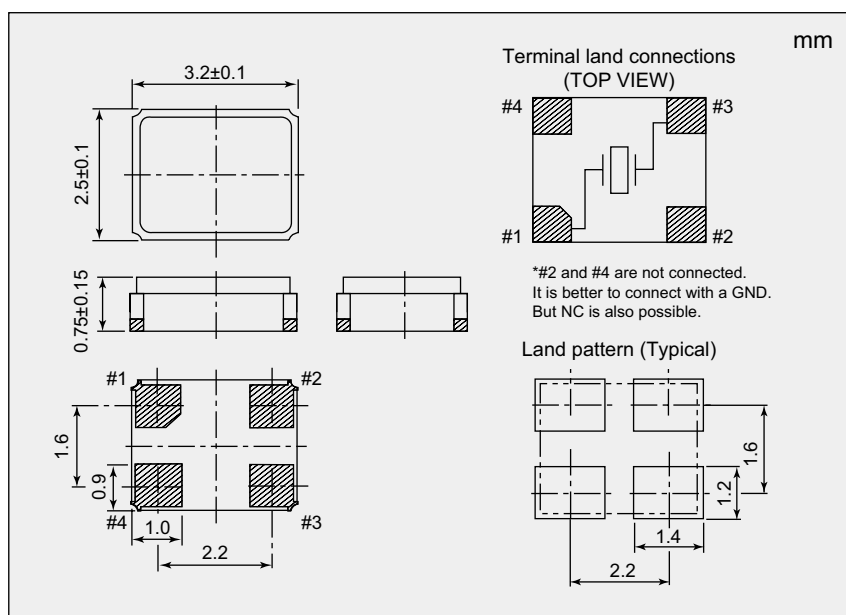


**RoHS Compliant**  
Directive 2011/65/EU

### ■ Specifications

Item	Model	NX3225GA
Nominal Frequency		9.8 to 50 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-1

### ■ Dimensions



#### \*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
9.8 to 12	300
12 to 20	120
20 to 50	100

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

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NDK:

[NX3225GA-12.000M-STD-CRA-1](#) [NX3225GA-20M-STD-CRA-1](#)