

## 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  
Directive (EU) 2015/863



### ■ Specifications

Item	Model	NX3225GA	
		Standard	Optional
Standard		Standard	Optional
Nominal Frequency (MHz)		9.8 to 50	9.8 to 50
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		±50 × 10 <sup>-6</sup>	±50 × 10 <sup>-6</sup>
Frequency versus Temperature Characteristics (with reference to +25 °C)		±150 × 10 <sup>-6</sup>	±150 × 10 <sup>-6</sup>
Operating Temperature Range (°C)		-40 to +150	-40 to +150
Storage Temperature Range (°C)		-40 to +150	-40 to +150
Equivalent Series Resistance		Refer to *1	Refer to *1
Level of Drive (µW)		10 (Max. 200)	10 (Max. 200 )
Load Capacitance (pF)		8	6 to 32
Frequency Aging (+25°C)		---	Max. ±10 × 10 <sup>-6</sup> / year *2
Specifications Number		STD-CRA-1	Refer to *3

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

\*2 If you have any other requests, NDK will study it.

\*3 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (38.400000MHz 6digits), S1:Fundamental or S3:3rd Overtone

- Operating Temperature Range (-40 to +150°C) - Frequency versus Temperature Characteristics (±150×10<sup>-6</sup>)

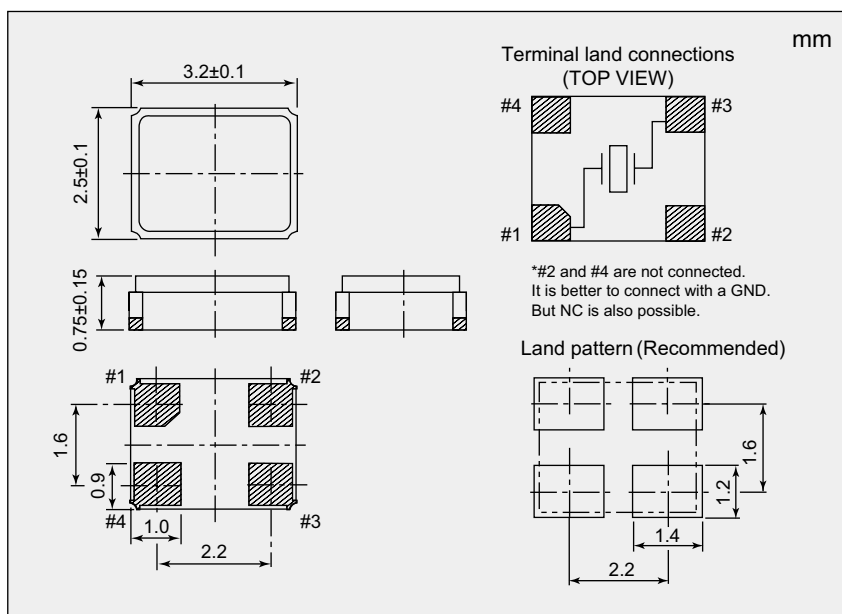
- Frequency Tolerance (±50×10<sup>-6</sup>) - Load Capacitance (8pF)

NX3225GA

38.400000MHz

S-40150-150-50-8

### ■ 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

If you have any other requests, NDK will study it.

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