

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)		$9.8 \leq F \leq 50$	$9.8 \leq F \leq 50$
Overtone Order		Fundamental	Fundamental
Frequency Tolerance ($25 \pm 3^\circ\text{C}$)		$\pm 50 \times 10^{-6}$	$\pm 50 \times 10^{-6}$
Frequency versus Temperature Characteristics (with reference to $+25^\circ\text{C}$)		$\pm 150 \times 10^{-6}$	$\pm 150 \times 10^{-6}$
Operating Temperature Range ($^\circ\text{C}$)		-40 to +150	-40 to +150
Storage Temperature Range ($^\circ\text{C}$)		-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 ($+25^\circ\text{C}$)		---	Max. $\pm 10 \times 10^{-6}$ / 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 $+150^\circ\text{C}$) - Frequency versus Temperature Characteristics ($\pm 150 \times 10^{-6}$)

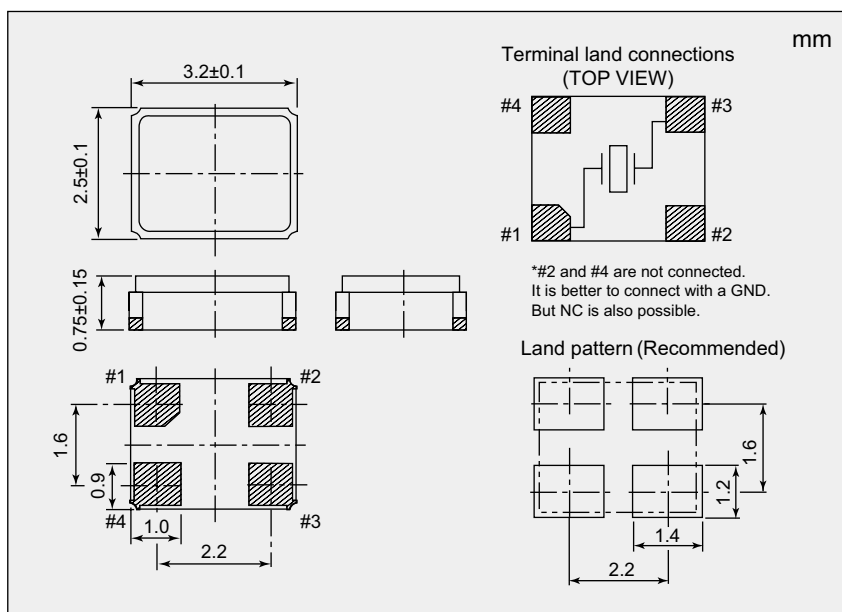
- Frequency Tolerance ($\pm 50 \times 10^{-6}$) - Load Capacitance (8pF)

NX3225GA

38.400000MHz

S-40150-150-50-8

■ Dimensions



*1 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
$9.8 \leq F < 12$	300
$12 \leq F < 20$	120
$20 \leq F \leq 50$	100

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