



**THE DATASHEET OF  
NX3225GA-16.000M-STD-CRG-2**



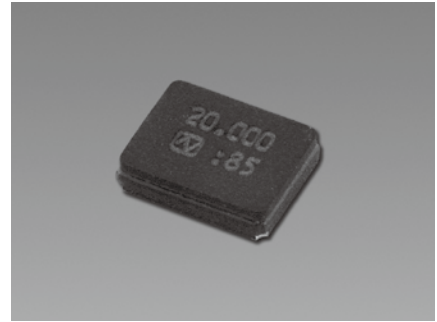
## NX3225GA

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 ( $\mu\text{W}$ )		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 ( $\pm 150 \times 10^{-6}$ )

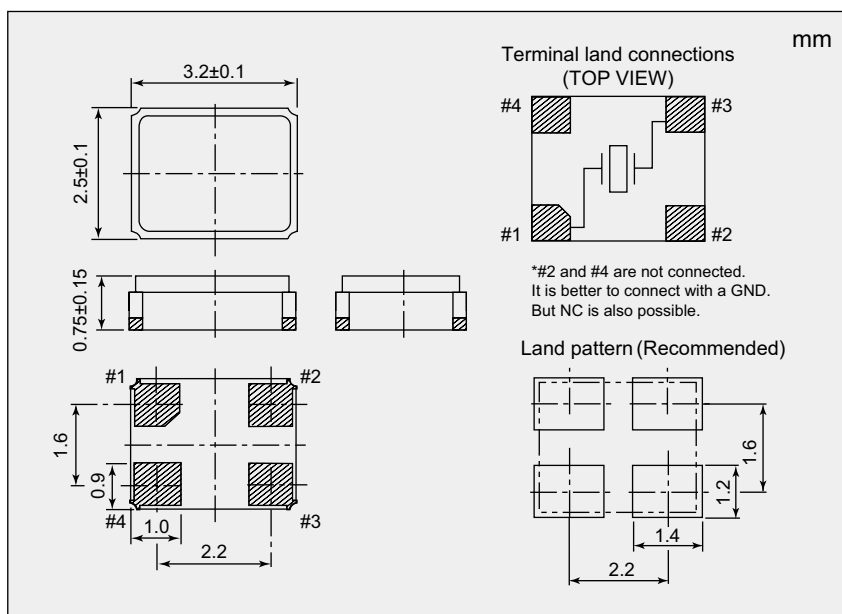
- Frequency Tolerance ( $\pm 50 \times 10^{-6}$ ) - Load Capacitance (8pF)

NX3225GA

38.400000MHz

S-40150-150-50-8

### ■ Dimensions




\*1 Equivalent Series Resistance

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

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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View NX3225GA-16.000M-STD-CRG-2 on WIN SOURCE](#)
-  [NDK Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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