

## NX3225GA

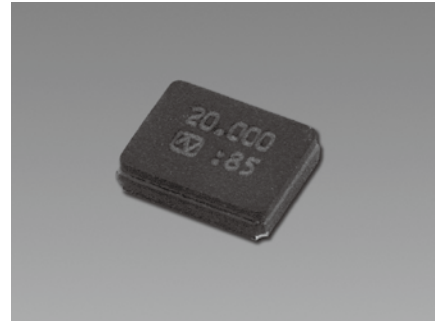
For Automotive

### ■ 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 ( $\pm 150 \times 10^{-6}$ )

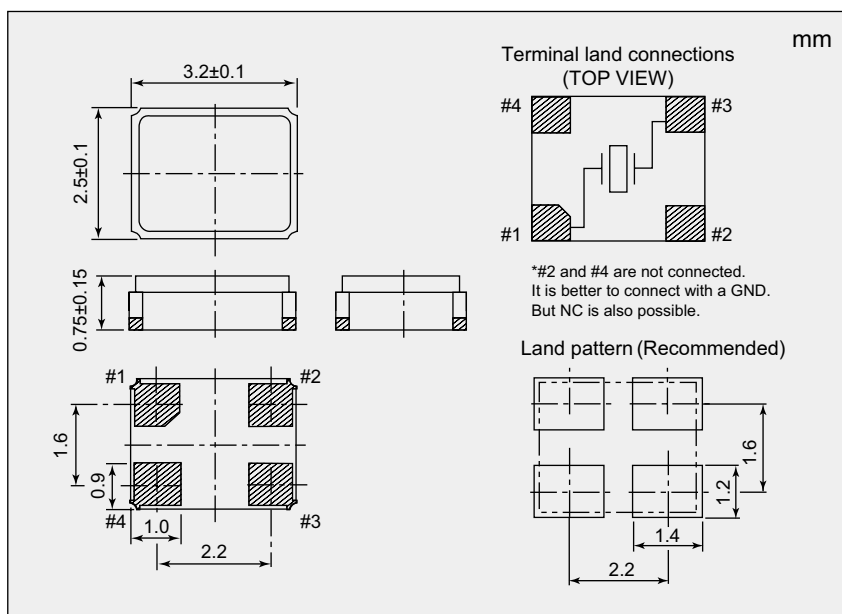
- Frequency Tolerance ( $\pm 50 \times 10^{-6}$ ) - Load Capacitance (8pF)

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.

单击下面可查看定价，库存，交付和生命周期等信息

[>>NDK](#)