

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

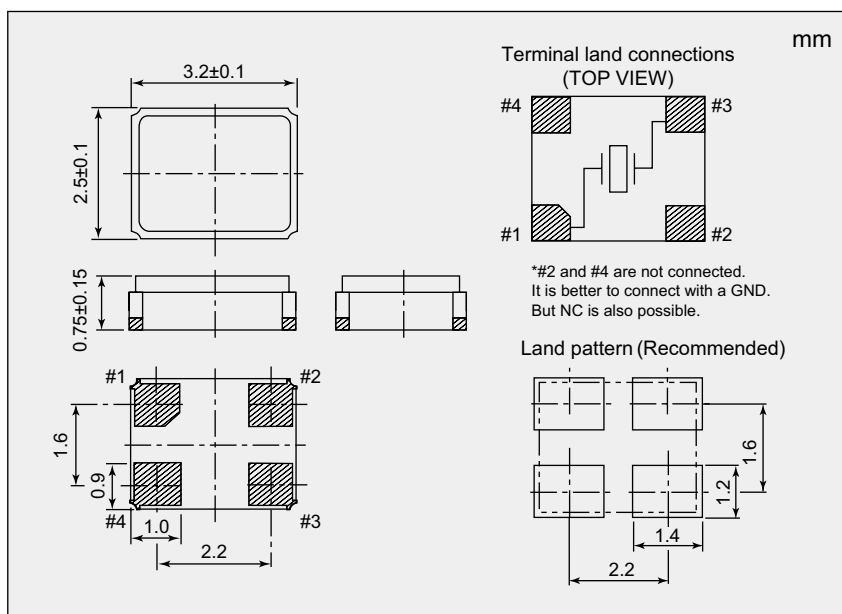
- Frequency Tolerance ($\pm 50 \times 10^{-6}$) - Load Capacitance (8pF)

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 |

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

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