

## NX3225GD

For Automotive

### ■ Features

A small surface-mount type crystal unit, ideal for an engine control CPU clock; delivering the high reliability that is particularly demanded by automotive.

Compatible with low frequency range starting from 7.98 MHz.

- Compact and thin. (3.2x2.5mm typ., t1.0mm max.)
- High resistance to solder cracking.
- 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.

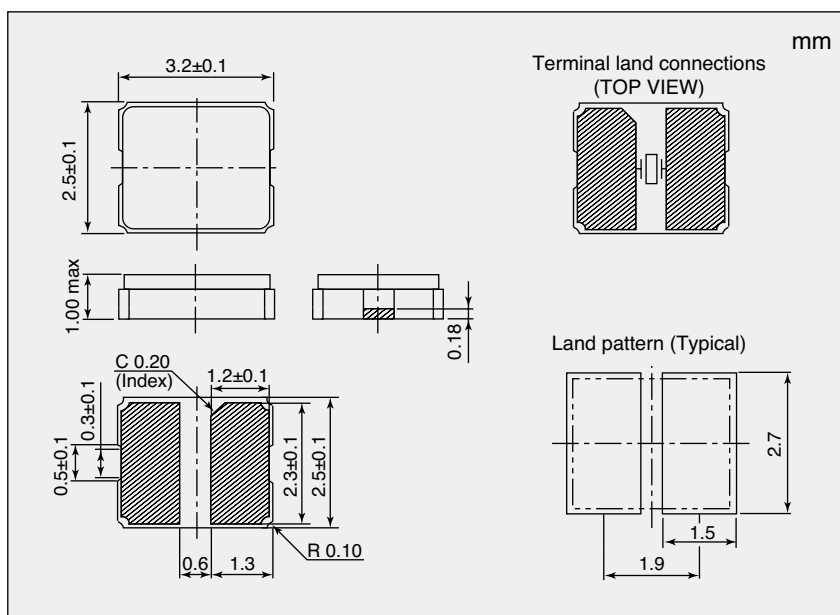


**RoHS Compliant**  
Directive 2011/65/EU

### ■ Specifications

| Item  | Model | NX3225GD                |
|---|-------|-------------------------|
| Nominal Frequency   |       | 7.98 to 12 MHz          |
| Overtone Order  |       | Fundamental             |
| Frequency Tolerance (25 ±3 °C)  |       | ±50 × 10 <sup>-6</sup>  |
| Frequency versus Temperature Characteristics (with reference to +25 °C) |       | ±150 × 10 <sup>-6</sup> |
| Operating Temperature Range   |       | -40 to +150 °C          |
| Storage Temperature Range   |       | -40 to +150 °C          |
| Equivalent Series Resistance  |       | Refer to *1             |
| Level of Drive  |       | 10 μW (Max. 200 μW)     |
| Load Capacitance  |       | 8 pF                    |
| Specifications Number   |       | STD-CRA-3               |

### ■ Dimensions



\*1 Equivalent Series Resistance

| Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|-------------------------|---------------------------------------|
| 7.98 to 9.8             | 500                                   |
| 9.8 to 12               | 300                                   |

Please specify the model name, frequency, and specification number when you order products. For further questions regarding specifications, please feel free to contact us.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[NDK:](#)

[NX3225GD-8MHZ-STD-CRA-3](#) [NX3225GD-10.000M-STD-CRA-3](#)