

NX3225GB

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.

- •Compact and thin. (3.2 x 2.5 x 0.75 mm typ.)
- •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.



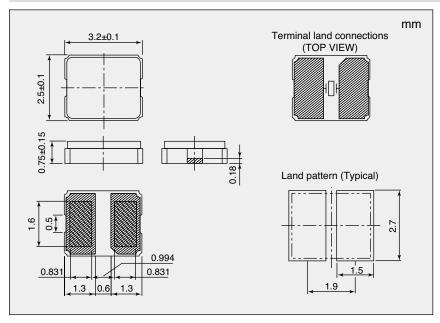


■ Specifications

Item Model	NX3225GB
Nominal Frequency	12 to 50 MHz
Overtone Order	Fundamental
Frequency Tolerance (25 ±3 °C)	±50 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)	±150 × 10 ⁻⁶
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-2

^{*}If you required 7.98 to 12MHz, please refer to NX3225GD.

■ Dimensions



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
12 to 20	120
20 to 50	100

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

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NDK:

NX3225GB-10.000M-STD-CRA-2 NX3225GB-16M-STD-CRA-2