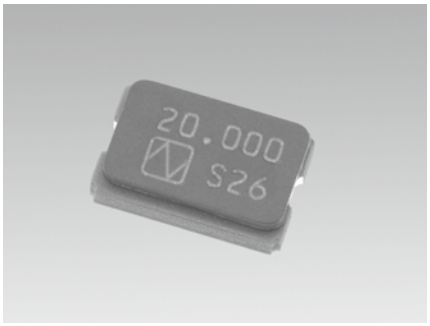
NX5032GA

For Automotive

■ Features

A small surface-mount type crystal unit, ideal for Automotive.
Compatible with an engine control CPU clock delivering the high reliability that is particularly demanded, and compatible with low frequencies starting from 8 MHz.

- ●Compact and thin. (5.0 × 3.2 × 1.3 mm typ.)
- ●Stable start-up characteristic even under extremely severe environmental conditions.
- ●Excellent environmental characteristics, including heat, vibration and shock resistance.
- ●Meets the requirements for re-flow profiling using lead-free solder.
- ●Conforms to AEC-Q200.

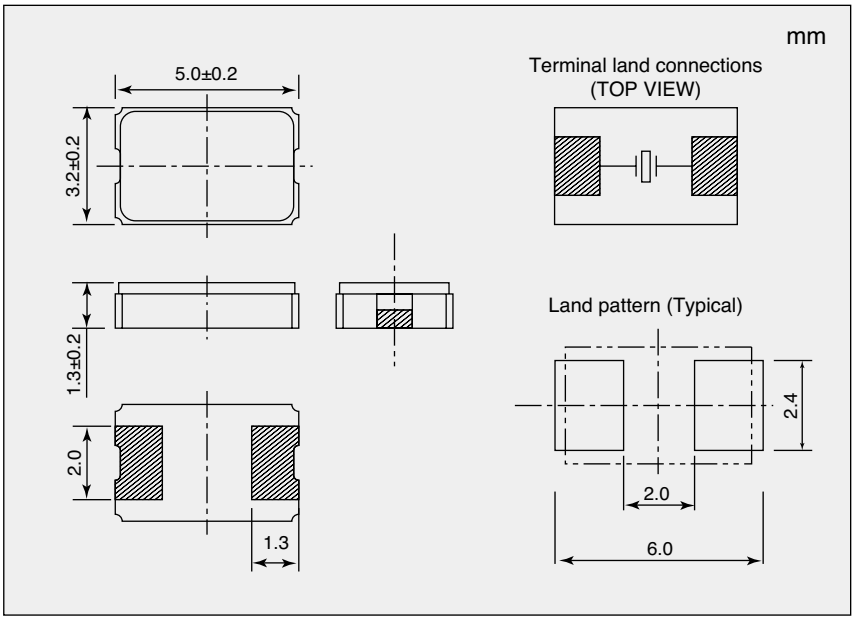


RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item \ Model	NX5032GA	
Nominal Frequency	8 to 10.499MHz	10.5 to 40MHz
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. 500 μW)	
Load Capacitance	8 pF	
Specifications Number	STD-CSU-1	STD-CSU-2

■ Dimensions



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
8 to 9.5	300
9.5 to 10	220
10 to 15	150
15 to 20	120
20 to 24	100
24 to 30	80
30 to 40	50

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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