

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.

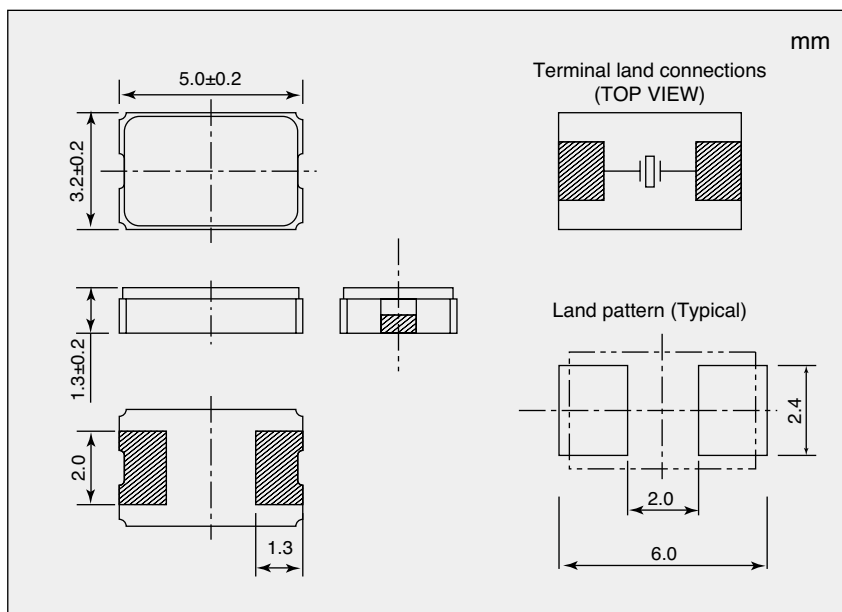


RoHS Compliant
Directive 2011/65/EU

Specifications

| Item | Model | NX5032GA | |
|---|-------|-------------------------|---------------|
| Nominal Frequency | | 8 to 10.499MHz | 10.5 to 40MHz |
| Overtone Order | | Fundamental | |
| Frequency Tolerance (25 ±3 °C) | | ±150 × 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.