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.

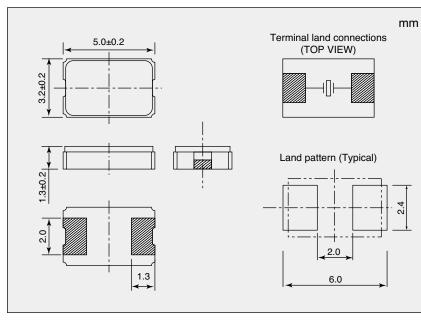


RoHS Compliant Directive 2011/65/EU

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. $[\Omega]$ | |
|----------------------------|--|--|
| 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.