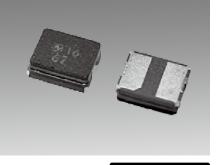
Crystal Units

NX2016GC

Features

High reliability small surface-mount type crystal unit for automotive.

- High resistance to solder cracking.
- •Ultra compact and thin. (2.0 x 1.6mm, H: Max. 0.8mm)
- •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.

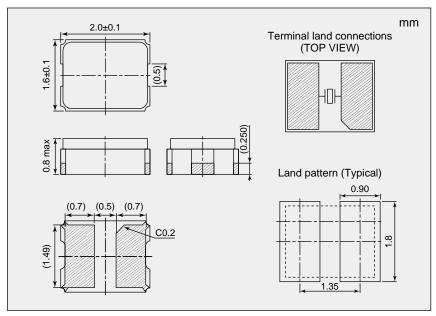


RoHS Compliant Directive 2011/65/EU

Specifications

| Item Model | NX2016GC |
|---|-------------------------|
| Nominal Frequency | 16 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-CZA-1 |

Dimensions



| *1 | Ec | qu | iva | ale | ent | Se | eri | es | Re | si | sta | nc | e | |
|----|----|----|-----|-----|-----|----|-----|----|----|----|-----|----|---|--|
| | | | | | | | | | | | | | | |

| Nominal frequency (MHz) | Equivalent Series Resistance max. [Ω] |
|----------------------------|--|
| 16 to 20 | 300 |
| 20 to 22 | 220 |
| 22 to 26 | 180 |
| 26 to 50 | 120 |

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









For Automotive