

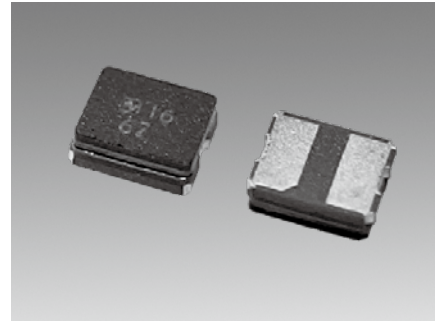
NX2016GC

For Automotive

■ Features

- High reliability small surface-mount type crystal unit for automotive.
- High resistance to solder cracking.
- Ultra compact and thin. (2.0 x 1.6 x 0.7mm)
- 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
Directive (EU) 2015/863



■ Specifications

Item	Model	NX2016GC	
		Standard	Optional
Standard		Standard	Optional
Nominal Frequency (MHz)		16 ≤ F ≤ 50	16 ≤ F ≤ 50
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		±50 × 10 ⁻⁶	±50 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)		±150 × 10 ⁻⁶	±150 × 10 ⁻⁶
Operating Temperature Range (°C)		-40 to +150	-40 to +150
Storage Temperature Range (°C)		-40 to +150	-40 to +150
Equivalent Series Resistance		Refer to *1	Refer to *1
Level of Drive (μW)		10 (Max. 200)	10 (Max. 200)
Load Capacitance (pF)		8	6 to 18
Frequency Aging (+25°C)		---	Max. ±10 × 10 ⁻⁶ / year *2
Specifications Number		STD-CZA-1	Refer to *3

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

*2 If you have any other requests, NDK will study it.

*3 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (38.400000MHz 6digits), S1:Fundamental or S3:3rd Overtone

- Operating Temperature Range (-40 to +150°C) - Frequency versus Temperature Characteristics (±150×10⁻⁶)

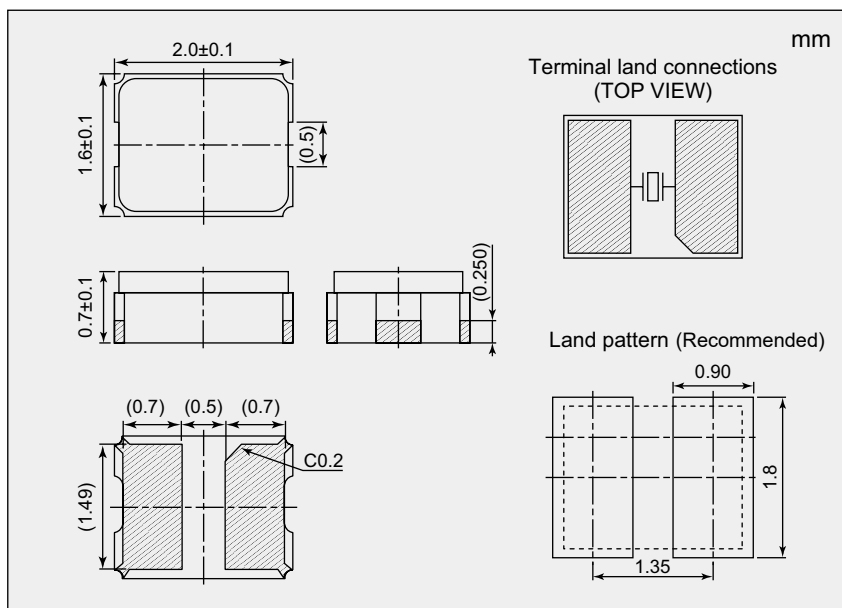
- Frequency Tolerance (±50×10⁻⁶) - Load Capacitance (7pF)

NX2016GC

38.400000MHz

S1-40150-150-50-7

■ Dimensions



*1 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
16 ≤ F < 20	300
20 ≤ F < 22	220
22 ≤ F < 26	180
26 ≤ F ≤ 50	120

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