

NX1612SA

For Automotive

■ Features

A small and thin surface-mount type crystal unit for automotive.

- Ultra compact and thin. (1.6 × 1.2 × 0.3 mm)
- Stable start-up characteristics even under extremely severe environmental conditions.
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200



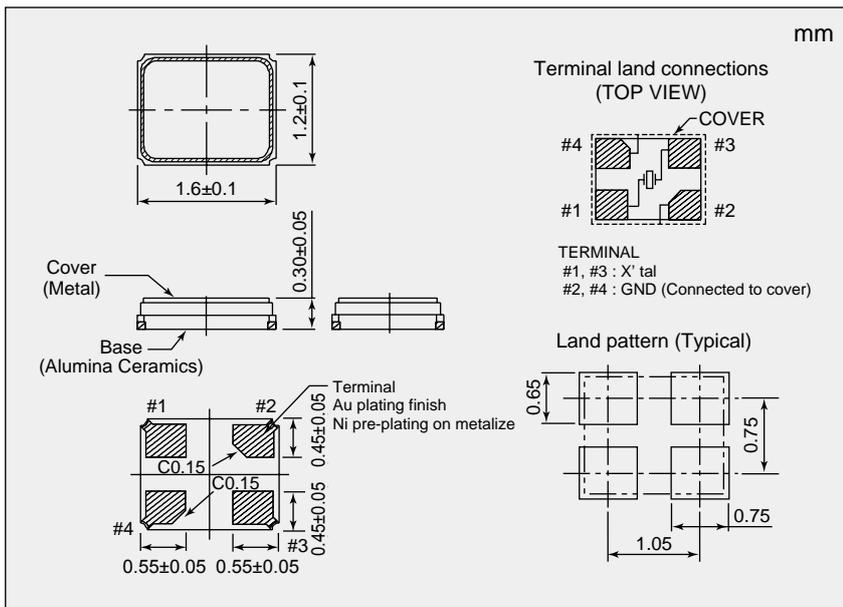
Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX1612SA
Main Application		For OA / AV
Nominal Frequency		24 to 80 MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ±3 °C)		±15 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)		±50 × 10 ⁻⁶
Operating Temperature Range		-40 to +125 °C
Storage Temperature Range		-40 to +125 °C
Equivalent Series Resistance		Refer to *1
Level of Drive		10 μW (Max. 200 μW)
Load Capacitance		8 pF

■ Dimensions



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
24 to 32	150
32 to 38	100
38 to 80	80