

## NX3215SA

For Automotive

### ■ Features

Ultra compact, thin, and light weight tuning fork crystal unit.

- Excellent heat resistance and environmental characteristics.
- Excellent electric performance optimum for Automotive applications is exhibited.
- RoHS compliant. These can meet the requirements of re-flow profiling using lead-free solder.
- Use a metal lid: Excellent shock resistance during chip mounting process comparing to a glass lid.



Pb Free

RoHS Compliant  
Directive 2002/95/EC

### ■ Specifications

Item	Model	NX3215SA
Nominal frequency		32.768kHz
Operating temperature range (°C)		-40 to +125°C
Storage temperature range (°C)		-40 to +125°C
Level of drive		0.1μW (0.5μW Max.)
Frequency tolerance (25 ±3 °C)		±20 × 10 <sup>-6</sup>
Turning point		+25°C ± 5°C
Temperature coefficient		-0.04 × 10 <sup>-6</sup> / °C <sup>2</sup> Max.
Load capacitance		12.5pF
Equivalent series resistance		80kΩ Max.
Shunt capacitance		1.0pF typ./ 1.5pF Max.
Insulation resistance		500MΩ Min.

### ■ List of Ordering Codes

Load capacitance	Ordering Code
12.5pF	NX3215SA-32.768K-STD-MUS-2

### ■ Dimensions

