

## NX3215SA

For Mobile Communications

### ■ Features

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

- Excellent heat resistance and environmental characteristics.
- Excellent electric performance optimum for mobile communications, OA (office automation), AV (audiovisual) and Automotive applications are 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 (°C)		-40 to +85°C
Storage temperature (°C)		-40 to +85°C
Recommended drive level		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		9.0pF, 12.5pF
Series resistance		70kΩ Max.
Shunt capacitance		1pF typ./ 1.5pF Max.
Insulation resistance		500MΩ Min.

### ■ List of Ordering Codes

Load capacitance	Ordering Code
9.0pF	NX3215SA-32.768K-STD-MUA-5
12.5pF	NX3215SA-32.768K-STD-MUA-4

### ■ Dimensions

