

## NX3215SA

For OA / AV / Mobile Communication / Automotives

### ■ Features

- Compact, thin, and light weight tuning fork crystal unit.
- Excellent heat resistance and environmental characteristics.
- 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.
- Excellent electric performance optimum for mobile communications, OA (office automation) and AV (audiovisual) applications are exhibited. (For OA / AV / Mobile Communication)
- Conforms to AEC-Q200. (For Automotives)



Pb Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

Item	Model	NX3215SA	
Main Application		For OA / AV / Mobile Communication	For Automotive
Nominal Frequency		32.768kHz	
Operating Temperature Range		-40 to +85°C	-40 to +125°C
Storage Temperature Range		-40 to +85°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		6.0pF, 9.0pF, 12.5pF	12.5pF
Equivalent Series Resistance		70kΩ Max.	80kΩ Max.
Shunt Capacitance		1.0pF typ./ 1.5pF Max.	
Insulation Resistance		500MΩ Min.	

Please feel free to contact us with questions about other specifications.

### ■ List of Ordering Codes

For OA / AV / Mobile Communication

Load capacitance	Ordering Code
6.0pF	NX3215SA-32.768K-STD-MUA-14
9.0pF	NX3215SA-32.768K-STD-MUA-9
12.5pF	NX3215SA-32.768K-STD-MUA-8

For Automotive

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

### ■ Dimensions

