Crystal Units

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^{-6}	
Turning Point	+25°C ± 5°C	
Temperature Coefficient	−0.04 × 10^{-6}/°C² 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

mm





