

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 /°C ² 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

