

NX3215SA

For OA / AV / Mobile Communication / Automotives

■ Features

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

Pb Free

RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863



■ Specifications

| Item | Model | NX3215SA | | | | | |
|--|-------|------------------------------------|-----------|-----------|----------------|-----------|-----------|
| | | Standard | | | Optional | | |
| Standard | | For OA / AV / Mobile Communication | | | For Automotive | | |
| Main Application | | For OA / AV / Mobile Communication | | | For Automotive | | |
| Nominal Frequency (kHz) | | 32.768 | | | | | |
| Operating Temperature Range (°C) | | -40 to +85 | | | -40 to +125 | | |
| Storage Temperature Range (°C) | | -40 to +85 | | | -40 to +125 | | |
| Level of Drive (µW) | | 0.1 (Max. 0.5) | | | | | |
| Frequency Tolerance (25 ±3 °C) | | ±20 × 10 ⁻⁶ | | | | | |
| Turning Point (°C) | | +25 ± 5 | | | | | |
| Temperature Coefficient (1/°C ²) | | Max. -0.04 × 10 ⁻⁶ | | | | | |
| Load Capacitance (pF) | | 6.0 | 9.0 | 12.5 | 6.0 | 9.0 | 12.5 |
| Equivalent Series Resistance (kΩ) | | Max. 70 | | | Max. 80 | | |
| Shunt Capacitance (pF) | | Typ. 1.0 / Max.1.5 | | | | | |
| Insulation Resistance (MΩ) | | Min. 500 | | | | | |
| Specifications Number | | STD-MUA-14 | STD-MUA-9 | STD-MUA-8 | STD-MUS-4 | STD-MUS-3 | STD-MUS-2 |
| | | Refer to *2 | | | | | |

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

*1 If you have any other requests, NDK will study it.

*2 Ordering information: Overtone Order Fundamental, the Operating Temperature Range, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (32.768000kHz 6digits),

S1:Fundamental - Operating Range(-40 to +85°C) - Frequency Tolerance(±20×10⁻⁶) - Load Capacitance (9pF)

NX3215SA

32.768000kHz

S1-4085-20-9

■ Dimensions

