

NX3215SD

For Automotive

■ Features

Small surface-mount type tuning fork crystal unit for automotive. High resistance to solder cracking.

- Excellent heat resistance and environmental characteristics.
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- Meet the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.

Pb Free

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



■ Specifications

Item	Model	NX3215SD			
		Standard			Optional
Standard		Standard			Optional
Nominal Frequency (kHz)		32.768			32.768
Operating Temperature Range (°C)		-40 to +125			-40 to +125 *1
Storage Temperature Range (°C)		-40 to +125			-40 to +125 *1
Level of Drive (µW)		0.1 (Max. 0.5)			0.1 (Max. 0.5) *1
Frequency Tolerance (25 ±3 °C)		±20 × 10 ⁻⁶			±20 × 10 ⁻⁶ *1
Turning Point (°C)		+25 ± 5			+25 ± 5
Temperature Coefficient (1/°C ²)		Max. -0.04 × 10 ⁻⁶			Max. -0.04 × 10 ⁻⁶
Load Capacitance (pF)	6.0	9.0	12.5	6.0 to 12.5 *1	
Equivalent Series Resistance (kΩ)	Max. 80				Max. 80 *1
Shunt Capacitance (pF)	Typ. 1.2 / Max.1.5				Typ. 1.2 / Max.1.5
Insulation Resistance (M Ω)	Min. 500				Min. 500
Specifications Number	STD-MUS-7	STD-MUS-6	STD-MUS-5	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 Temperature Range (-40 to +85°C) - Frequency Tolerance (±20×10⁻⁶) - Load Capacitance (9pF)

NX3215SD

32.768000kHz

S1-4085-20-9

■ Dimensions

