

NX2012SA

For OA / AV / Mobile Communication / Automotives

■ Features

- Compact, thin, and light weight tuning fork crystal unit.
- Compact and thin. (2.0×1.2×0.55mm)
- Excellent electric performance optimum for mobile communications, OA (office automation) and AV (audiovisual) applications are exhibited.
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- RoHS compliant. These can meet the requirements of re-flow profiling using leadfree solder.
- Conforms to AEC-Q200. (For Automotives)

Pb Free

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



■ Specifications

Item	Model	NX2012SA					
		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. 80			Max. 120		
Shunt Capacitance (pF)		Typ. 1.3/ Max. 1.6					
Insulation Resistance (MΩ)		Min. 500					
Specifications Number		STD-MUB-3	STD-MUB-2	STD-MUB-1	STD-MUT-3	STD-MUT-2	STD-MUT-1
		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)

NX2012SA

32.768000kHz

S1-4085-20-9

■ Dimensions

