

NX1610SA

For OA / AV / Mobile Communications

■ Features

- Ultra compact, thin, and light weight tuning fork crystal unit.
- Ultra compact and thin. (1.6×1.0×0.45mm)
- 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.



Pb Free

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

■ Specifications

Item	Model	NX1610SA		
		Standard	Optional	Optional
Nominal Frequency (kHz)		32.768	32.768	32.768
Operating Temperature Range (°C)		-40 to +85	-40 to +85 *1	-40 to +85 *1
Storage Temperature Range (°C)		-40 to +85	-40 to +85 *1	-40 to +85 *1
Level of Drive (μW)		0.1 (Max. 0.5)	0.1 (Max. 0.5) *1	0.1 (Max. 0.5) *1
Frequency Tolerance (25 ±3 °C)		±20 × 10 ⁻⁶	±20 × 10 ⁻⁶	±20 × 10 ⁻⁶
Turning Point (°C)		+25 ± 5	+25 ± 5	+25 ± 5
Temperature Coefficient (1/°C ²)		Max. -0.04 × 10 ⁻⁶	Max. -0.04 × 10 ⁻⁶	Max. -0.04 × 10 ⁻⁶
Load Capacitance (pF)	6.0	9.0	12.5	6.0 to 12.5
Equivalent Series Resistance (kΩ)		Max. 90	Max. 90	Max. 90 *1
Shunt Capacitance (pF)		Typ. 1.3 / Max. 1.6	Typ. 1.3 / Max. 1.6	Typ. 1.3 / Max. 1.6
Insulation Resistance (MΩ)		Min. 500	Min. 500	Min. 500
Specifications Number	STD-MUD-2	STD-MUD-3	STD-MUD-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)

NX1610SA

32.768000kHz

S1-4085-20-9

■ Dimensions

