

NX2012SE

For OA / AV / Mobile Communications

■ Features

- Tuning fork crystal unit with low ESR(Equivalent Series Resistance).
- Supports Microcontroller requiring low ESR. (ESR:Max. 50kΩ)
- 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.)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb Free

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

■ Specifications

Item	Model	NX2012SE		
		Standard	Optional	
Nominal Frequency (kHz)		32.768	32.768	
Operating Temperature Range (°C)		-40 to +85	-40 to +85 *1	
Storage Temperature Range (°C)		-40 to +85	-40 to +85 *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	
Turning Point (°C)		+25 ± 5	+25 ± 5	
Temperature Coefficient (/°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
Equivalent Series Resistance (kΩ)		Max. 50 (Typ. 35)		Max. 50 *1
Shunt Capacitance (pF)		Typ. 1.7 / Max. 2.0		Typ. 1.7 / Max. 2.0
Insulation Resistance (MΩ)		Min. 500		Min. 500
Specifications Number		STD-MUB-8	STD-MUB-9	STD-MUB-10
				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)

NX2012SE

32.768000kHz

S1-4085-20-9

■ Dimensions

