# **Crystal Units**



## NX2012SA

### For OA / AV / Mobile Communications

#### 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.

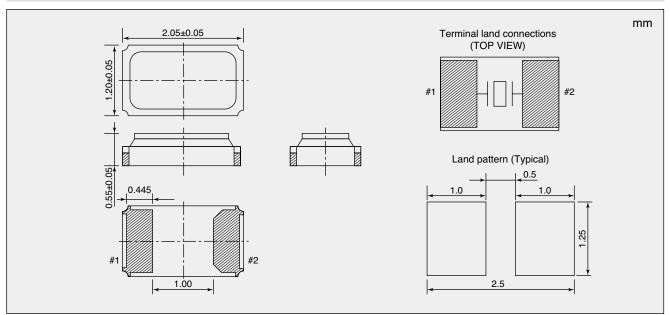


Pb Free RoHS Compliant Directive 2011/65/EU

#### Specifications

Item Model	NX2012SA		
Nominal Frequency	32.768kHz		
Operating Temperature Range	-40 to +85°C		
Storage Temperature Range	-40 to +85°C		
Level of Drive	0.1µW (0.5µW Max.)		
Frequency Tolerance (25 ±3 °C)	±20 × 10 <sup>-6</sup>		
Turning Point	+25°C ± 5°C		
Temperature Coefficient	−0.04 × 10 <sup>-6</sup> /°C² Max.		
Load Capacitance	6.0pF	9.0pF	12.5pF
Equivalent Series Resistance	80kΩ Max.		
Shunt Capacitance	1.3pF typ./ 1.5pF Max.		
Insulation Resistance	500MΩ Min.		
Specifications Number	STD-MUB-3	STD-MUB-2	STD-MUB-1

#### Dimensions



Please specify the model name, frequency, and specification number when you order products. For further questions regarding specifications, please feel free to contact us.

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