

# **NX2012SA**

### For OA / AV / Mobile Communications

#### **■** Features

Ultra compact, thin, and light weight tuning fork crystal unit.

- Excellent heat resistance and environmental characteristics.
- Excellent electric performance optimum for mobile communications,
  OA (office automation) and AV (audiovisual) applications are exhibited.
- RoHS compliant. These can meet the requirements of re-flow profiling using leadfree solder
- Use a metal lid: Excellent shock resistance during chip mounting process comparing to a glass lid.





## **■** Specifications

ltem 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> /°C <sup>2</sup> Max.
Load capacitance	12.5pF
Equivalent series resistance	80kΩ Max.
Shunt capacitance	1.3pF typ./ 1.5pF Max.
Insulation resistance	500MΩ Min.

### **■ List of Ordering Codes**

Load capacitance Ordering Code		Ordering Code
	12.5pF	NX2012SA-32.768K-STD-MUB-1

#### **■** Dimensions

