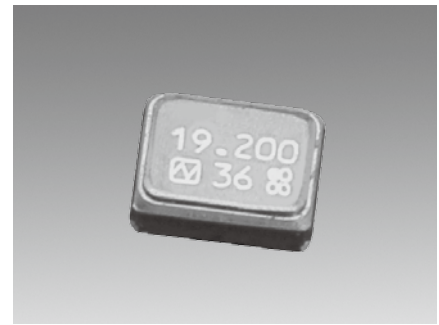


## NX2016SF

For Mobile Communications

### ■ Features

- Crystal Unit with built-in Thermistor construction.
- Minimize circuit design space by combining crystal unit into one component.  
(Presently, Crystal unit and temperature sensor is mounted in one board separately.)
- Placing temperature sensor(Thermistor) close to Crystal blank in one airtight housing can detect more precise crystal blank temperature. Improvement on frequency temperature compensation compared to present Crystal unit.
- Single cavity housing which is ideal to module applications.
- External configuration size is 2.0x1.6mm typ., H0.65 mm max.
- 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

### ■ Specifications

Item	Model	NX2016SF
Nominal Frequency		19.2 to 52 MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ± 3°C)		±10 × 10 <sup>-6</sup>
Frequency versus Temperature Characteristics (with reference to +32 °C)		±12 × 10 <sup>-6</sup>
Operating Temperature Range		-30 to +85 °C
Storage Temperature Range		-40 to +85 °C
Equivalent Series Resistance		Refer to *1
Level of Drive		10 μW
Load Capacitance		7 pF
Specifications Number		STD-CTZ-1

NTC Thermistor for Temperature Sensor

Resistance [R25]	100k Ω ± 1 %
B-Constant [B25-50]	4250K ± 1 %

### ■ Dimensions

