

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.







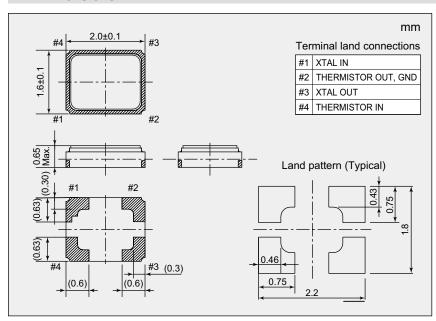
■ Specifications

ltem Mode	NX2016SF
Nominal Frequency	19.2 to 52 MHz
Overtone Order	Fundamental
Frequency Tolerance (25 ± 3°C)	±10 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +32 °C)	±12 × 10 ⁻⁶
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



*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. $[\Omega]$
19.2 to 24	80
24 to 52	60

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