

NX2520SG

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.





■ Specifications

Item Model	NX2520SG
Nominal frequency	19.2 to 54 MHz
Overtone order	Fundamental
Frequency tolerance (30°C)	±10 × 10 ⁻⁶
Frequency versus temperature characteristics (with reference to +30 °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 (Max. 100 μW)
Load capacitance	7 pF

■ How to Specify an Order

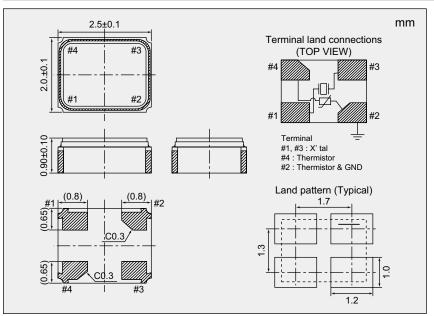
When ordering our products, specify them with an "Ordering Code" that consists of the following :

Model name - Frequency (Max : 9 digits) M - Number for specifying an order

Example NX2520SG-19.200M-STD-CTX-1

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (http://www.ndk.com/).

■ Dimensions



*2 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [Ω]
19.2 to 20	70
20 to 40	50
40 to 54	40