

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.



Pb Free

RoHS Compliant
Directive 2011/65/EU

■ Specifications

Item	Model	NX2520SG
Nominal frequency		19.2 to 54 MHz
Overtone order		Fundamental
Frequency tolerance (30°C)		$\pm 10 \times 10^{-6}$
Frequency versus temperature characteristics (with reference to +30 °C)		$\pm 12 \times 10^{-6}$
Operating temperature range		-30 to +85 °C
Storage temperature range		-40 to +85 °C
Equivalent series resistance		Refer to *1
Level of drive		10 μ W (Max. 100 μ W)
Load capacitance		7 pF

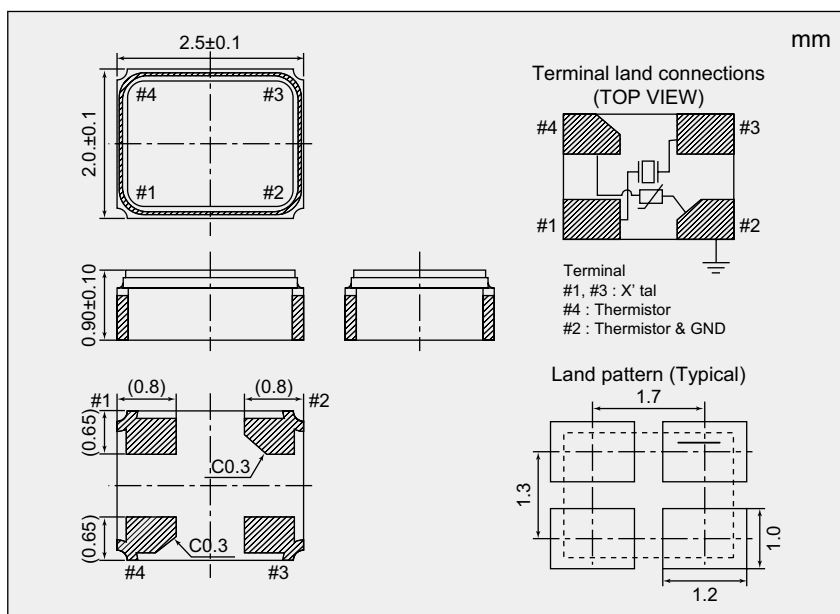
■ How to Specify an Order

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