



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 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 $\mu$ W (Max. 100 $\mu$ W)
Load capacitance		7 pF

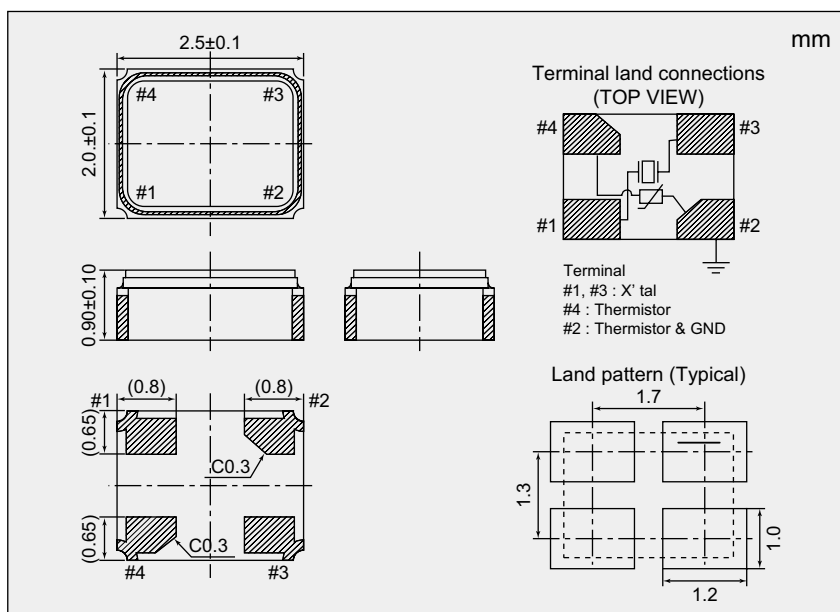
### ■ How to Specify an Order

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. [ $\Omega$ ]
19.2 to 20	70
20 to 40	50
40 to 54	40