

## NX2520SG

For Automotive

### ■ Features

Crystal Unit with built-in Thermistor construction for automotive.

- 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.
- It is ideal for applications such as vehicle communication equipment and car navigation systems.
- Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



Pb  
Free

RoHS Compliant  
Directive 2011/65/EU

### ■ Specifications

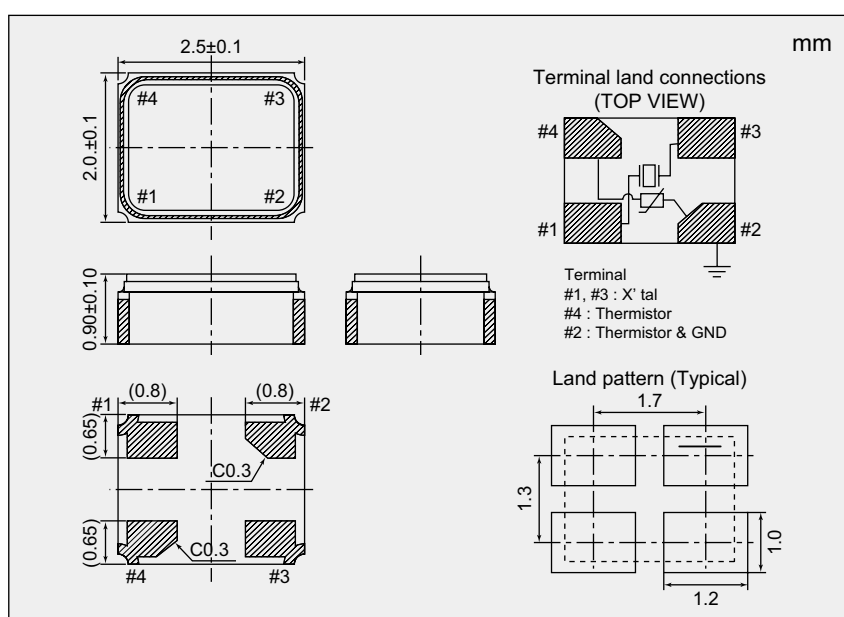
Item	Model	NX2520SG
Nominal Frequency		16 to 80 MHz
Overtone Order		Fundamental
Frequency Tolerance (25°C )		$\pm 10 \times 10^{-6}$
Frequency versus Temperature Characteristics (with reference to +25 °C) *1		$\pm 25 \times 10^{-6}$
Operating Temperature Range		-40 to +105 °C
Storage Temperature Range		-40 to +105 °C
Equivalent Series Resistance		Refer to *2
Level of Drive		10 $\mu$ W (Max. 100 $\mu$ W)
Load Capacitance		7 pF

\*1: In the case of 19.2M is with reference to +30°C.

NTC Thermistor for Temperature Sensor

Resistance [R25]	100k $\Omega \pm 1 \%$
B-Constant [B25-50]	4250K $\pm 1 \%$

### ■ Dimensions



\*1 Equivalent Series Resistance

Nominal frequency (MHz)	Equivalent Series Resistance max. [ $\Omega$ ]
16 to 19.2	120
19.2 to 20	80
20 to 40	50
40 to 80	40

If you require this product, please contact NDK sales.