

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.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb
Free

RoHS Compliant
Directive 2011/65/EU

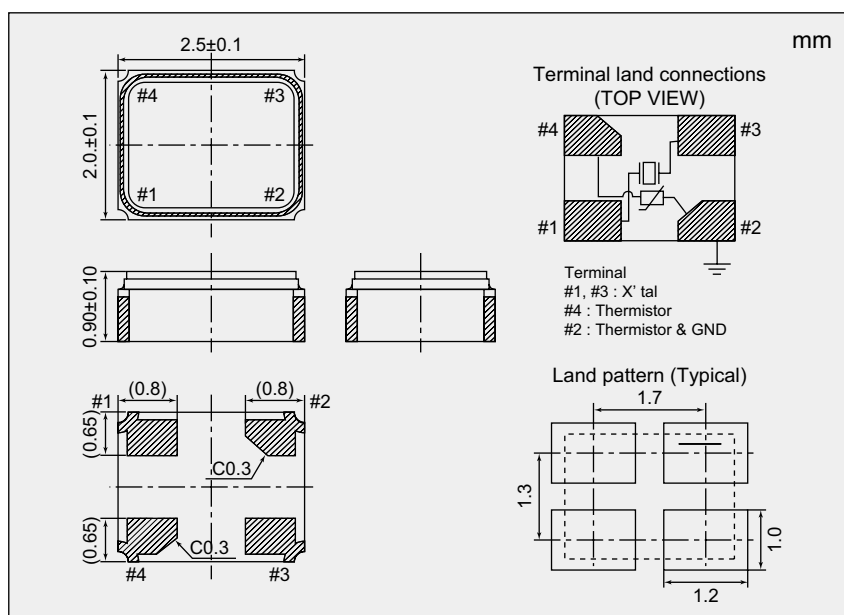
■ Specifications

Item	Model	NX2520SG
Nominal Frequency		19.2 to 54 MHz
Overtone Order		Fundamental
Frequency Tolerance (30 ± 3 °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
Specifications Number		STD-CTX-1

NTC Thermistor for Temperature Sensor

Resistance [R25]	100k Ω ± 1 %
B-Constant [B25-50]	4250K ± 1 %

■ 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

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