

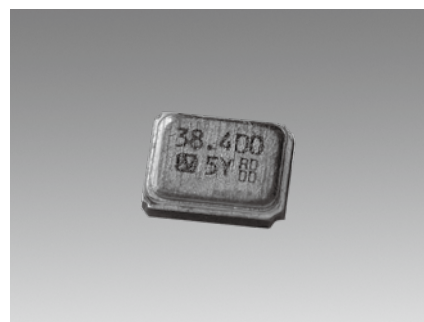
NX1612SB

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.
- External configuration size is 1.6x1.2mm typ., H0.45 mm max.
- A surface-mount crystal oscillator. (Reflow soldering is possible.)
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.



Pb
Free

RoHS Compliant
Directive 2011/65/EU

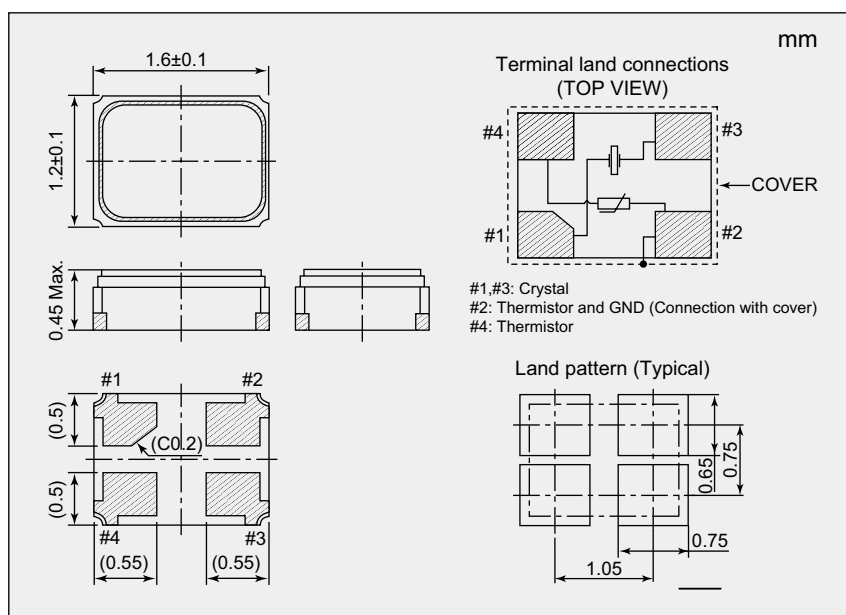
■ Specifications

Item	Model	NX1612SB
Nominal Frequency		26 to 52 MHz
Overtone Order		Fundamental
Frequency Tolerance (25 ± 3 °C)		±10 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +29 °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
Load Capacitance		7 pF

NTC Thermistor for Temperature Sensor

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

■ Dimensions



*1 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance max. [Ω]
26 to 38.4	80
38.4 to 52	50

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