

CRYSTAL UNITS

For Mobile Communication

SURFACE MOUNT TYPE CRYSTAL UNITS / NX7551SA

These quartz resonators are surface-mounted type that can cover a wide range of frequencies optimum for widespread applications.



Features

- Compact and thin (7.5×5.1×1.2 mm typ.).
- These products exhibit excellent electric characteristics and environmental performance for various applications including the devices used for mobile communications.
- This is high-frequency crystal unit.
- Products that are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.

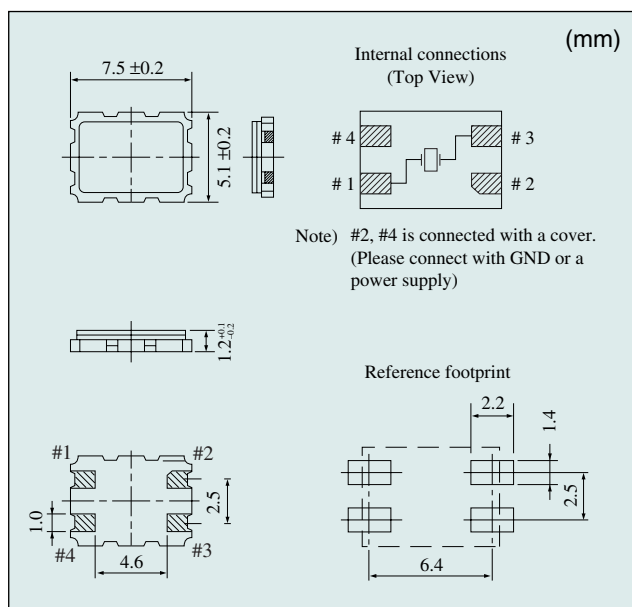
Specification

Item	Type	NX7551SA		
Frequency Range		9 ~ 160 MHz		
Overtone		※ See table		
Frequency Tolerance (25±3°C)		± 50 × 10 ⁻⁶	± 10 × 10 ⁻⁶	± 10 × 10 ⁻⁶
Temperature Characteristics (in reference to +25°C)		± 50 × 10 ⁻⁶	± 5 × 10 ⁻⁶	± 15 × 10 ⁻⁶
Operating Temperature Range		-10 ~ +60°C	-10 ~ +50°C	-30 ~ +85°C
Equivalent Series Resistance		※ See table		
Drive Level		10 μW (100 μW max)		
Standard Load Capacitance		12pF		
Operable Temperature Range		-40 ~ +85°C		

Typical Frequency (MHz)

Fundamental	10.245	12.8	13.0	13.8	16.0	16.368	21.245	23.670833	24.576
3rd overtone	76.21	78.555	78.5875	86.784					

Dimensions



※ Table Equivalent Series Resistance (Ω)/ Load Capacitance (pF)

Overtone	Frequency Range (MHz)	Equivalent Series Resistance (Ω)	Load Capacitance (pF)
Fundamental	9 ~ 50	40 max	12
3rd overtone	40 ~ 150	60 max	Series
5th overtone	70 ~ 160	80 max	Series