

## SURFACE MOUNT TYPE CRYSTAL UNITS / NX7551SA (CP21B)

This is small surface mount type crystal unit.

### ■ Features

- Compact and thin (7.5×5.1×1.2 mm).
- Excellent shock resistance and environmental characteristics.
- This is high-frequency crystal unit.
- They have a wide range of applications covering mobile stations and other communications equipment.
- Taping package is for customer automatic loading operation.
- It is applicable to IR Reflow.



### ■ Specification

Item	Type	NX7551SA (CP21B)		
Frequency Range		9.0 MHz ~ 160 MHz		
Overtone		4 See table 3		
Frequency Tolerance (25±3°C)		± 50 × 10 <sup>-6</sup>	± 10 × 10 <sup>-6</sup>	± 10 × 10 <sup>-6</sup>
Temperature Characteristics (in reference to +25°C)		± 50 × 10 <sup>-6</sup>	± 5 × 10 <sup>-6</sup>	± 15 × 10 <sup>-6</sup>
Operating Temperature Range		-10 ~ +60°C	-10 ~ +50°C	-30 ~ +85°C
Equivalent Series Resistance		4 See table 3		
Drive Level		10 μW (100 μW max)		
Standard Load Capacitance		12pF (Fundamental)		
Operable Temperature Range		-40 ~ +85°C		

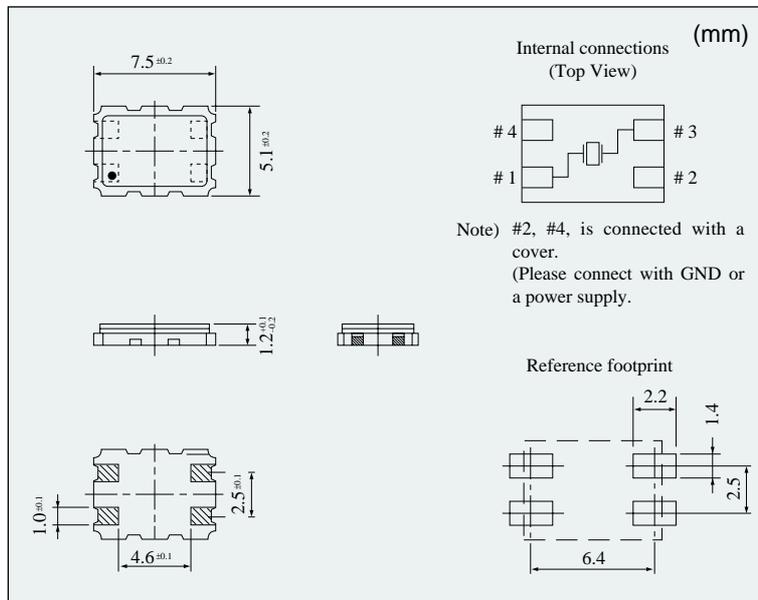
If you need NON-standard specification, please contact us.

[Type name] In ( ) is previous name.

### Standard Frequency (MHz)

Fundamental	10.245	13.000	16.0	21.245	24.576	33.000
	12.8	13.824	16.368	23.670833	25.000	39.000
3rd overtone	44.545	76.210	86.784	94.500		
	57.645	82.7075	90.000			

### ■ Dimensions



4 Table 3 Equivalent Series Resistance

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