

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

Small-sized surface-mounted crystal units optimized for industrial applications that require high frequency accuracy.



### ■ Features

- Compact and thin (7.5×5.1×1.2 mm).
- Provides high reliability and, in particular, excels in high shock resistance.
- Exhibits excellent characteristics for many applications including the devices related to mobile bodies.
- Taping package is for customer automatic loading operation.
- It is applicable to IR reflow.

### ■ Specification

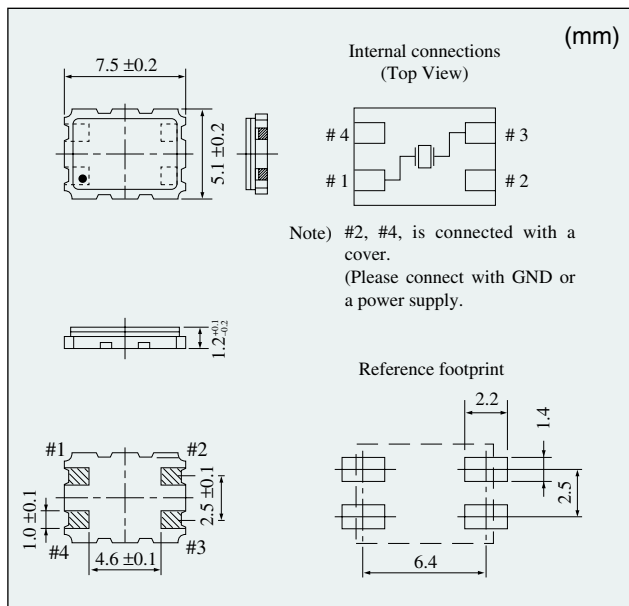
Item	Type	NX7551SA(CP21B)				
Frequency Range		9.0 ~ 150MHz				
Overtone		※ See Table				
Frequency Tolerance (25±3°C)		± 10 × 10 <sup>-6</sup>				
Temperature Characteristics (in reference to +25°C)		± 3 × 10 <sup>-6</sup>	± 5 × 10 <sup>-6</sup>	± 10 × 10 <sup>-6</sup>	± 15 × 10 <sup>-6</sup>	± 20 × 10 <sup>-6</sup>
Operating Temperature Range		0 ~ +50°C	-10 ~ +60°C	-20 ~ +70°C	-30 ~ +85°C	-40 ~ +90°C
Equivalent Series Resistance		※ See Table				
Drive Level		10 μW (100 μW max)				
Standard Load Capacitance		※ See Table				
Operable Temperature Range		-40 ~ +90°C				

[Type name] In ( ) is previous name.

### Typical Frequency (MHz)

Fundamental	23.670833	25.0	28.6	31.9148	36.0	39.6	61.44
	24.576	27.0	28.636363	35.46895	36.684	40.0	27.30333
3rd overtone	40.0	57.645	80.91	94.5			
	45.555	77.5	85.25				

### ■ Dimensions



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

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