

CRYSTAL UNITS

High Stability Type

SURFACE MOUNT TYPE CRYSTAL UNITS / NX7551SA

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 typ.).
- 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.

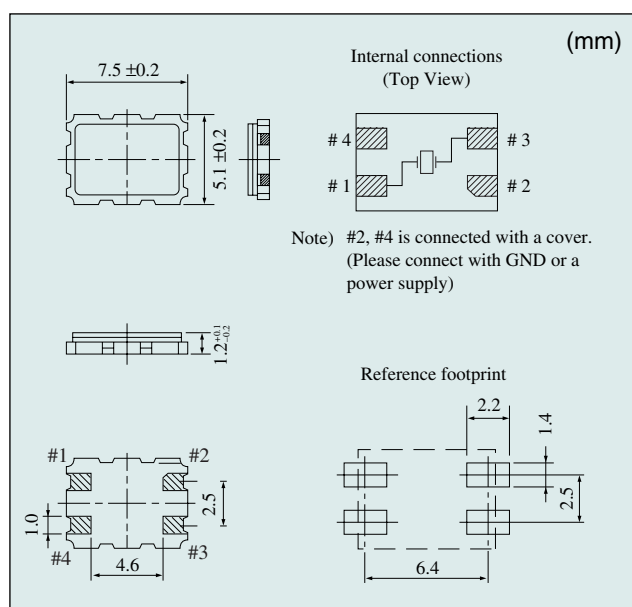
Specification

Item	Type	NX7551SA				
Frequency Range		9 ~ 150MHz				
Overtone		※ See Table				
Frequency Tolerance (25±3°C)		± 10 × 10 ⁻⁶				
Temperature Characteristics (in reference to +25°C)		± 3 × 10 ⁻⁶	± 5 × 10 ⁻⁶	± 10 × 10 ⁻⁶	± 15 × 10 ⁻⁶	± 20 × 10 ⁻⁶
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		12pF				
Operable Temperature Range		-40 ~ +90°C				

Typical Frequency (MHz)

Fundamental	12.504 20.95	12.8 24.576	13.56 25	13.824 27	14.318 33.231	14.7456 44.395	16.384 45.305	16.9344
3rd overtone	72.8375	76.21	78.555	78.5875	86.784	90		

Dimensions



※ Table Equivalent Series Resistance (Ω)

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