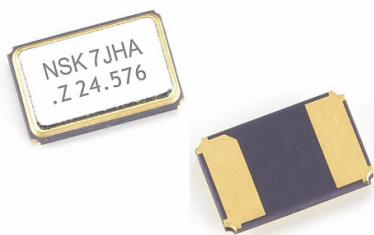


SMD TYPE CERAMIC (SMD 5 x 3.2)



Application of SMD crystal:

- Blue tooth
- PDA
- Notebook
- Digital camera
- MP3
- Wireless Lan

{Features}

1.1mm thickness is equal to SMD-type IC
Excellent reliability and environment capability
High-density mounting-type SMD
Excellent vibration resistance & shock resistance



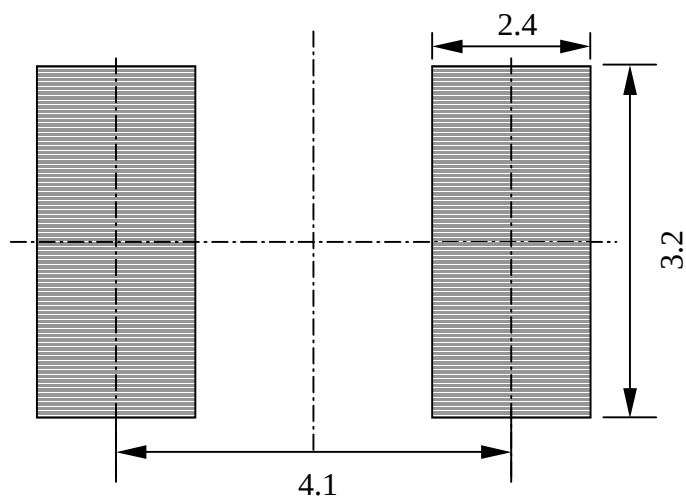
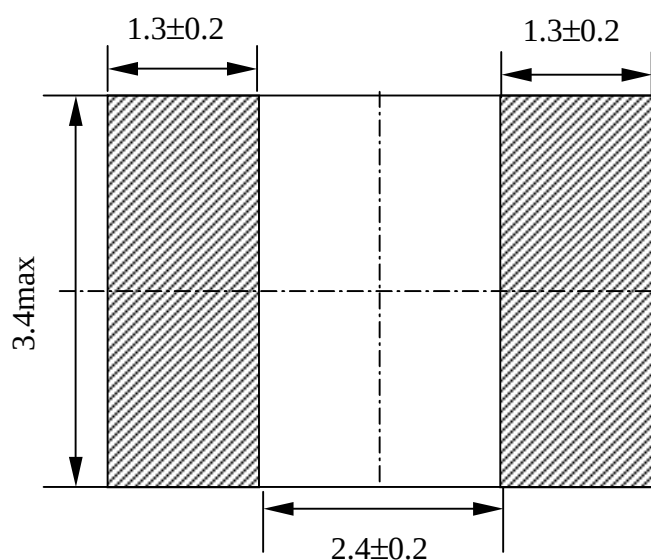
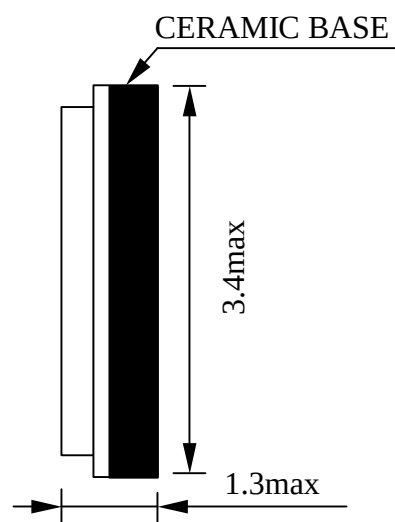
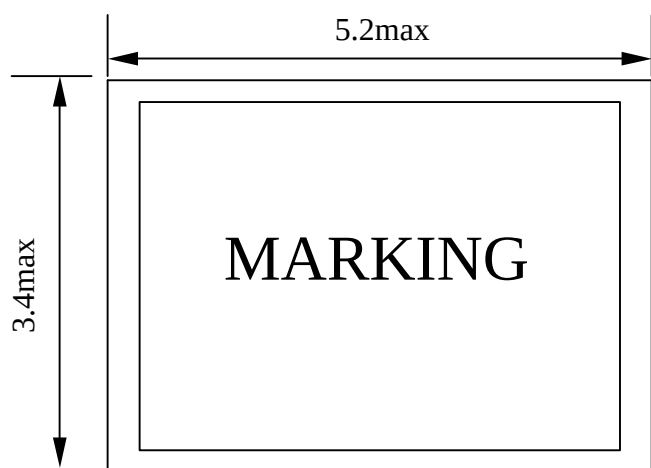
Electrical Specification:

Model	NXH-53-AP2-SEAM
1.Frequency	
Frequency Range	13.0 ~ 52.000 MHz
Frequency Tolerance at 25 ℃ ± ℃	±10 ~ ±100 ppm (TYP.)
Frequency Stability Over Operating Temp Range	±10 ~ ±100 ppm (TYP.)
2.Environmental Condition	
Operating Temp Range	-10 ℃ ~ +60 ℃, -20 ℃ ~ +70 ℃ or customer requirement
Storage Temp Range	-40 ℃ ~ +85 ℃
Aging Rate	±1ppm, ±2ppm, ±3ppm/year
3.Electrical Specifications	
Test Circuit	S&A 250B
Load Capacitance	6 pF ~ 32 pF, series or special
Drive Level	1uW ~ 100uW or special
Shunt Capacitance	7.0pF max

Equivalent Series Resistance(ESR) VS Frequency:

Frequency (MHz)	Oscillation Mode	NXH-53-AP2-SEAM
13.0 ~ 25.0	Fundamental	80 Ω
25.1 ~ 52.0	Fundamental	50 Ω

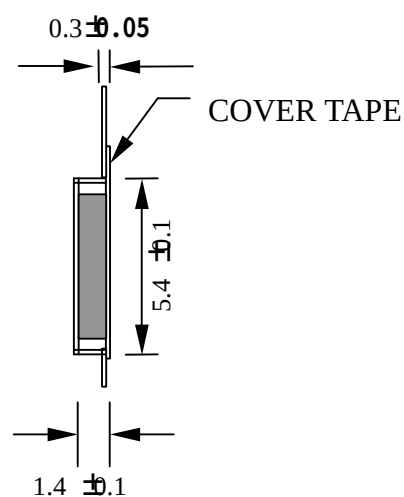
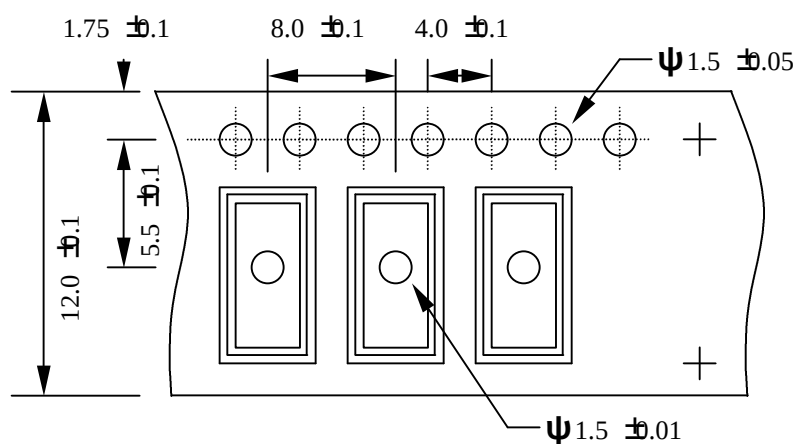
Dimensions: (mm):



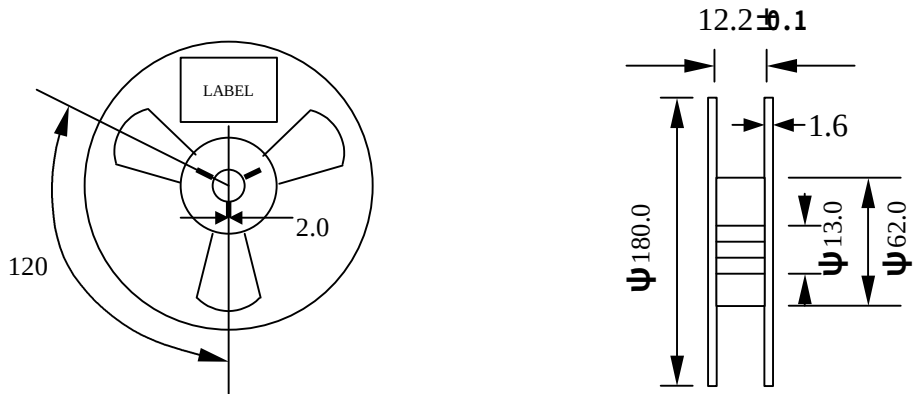
<TOP VIEW>

(Recommended Land Pattern)

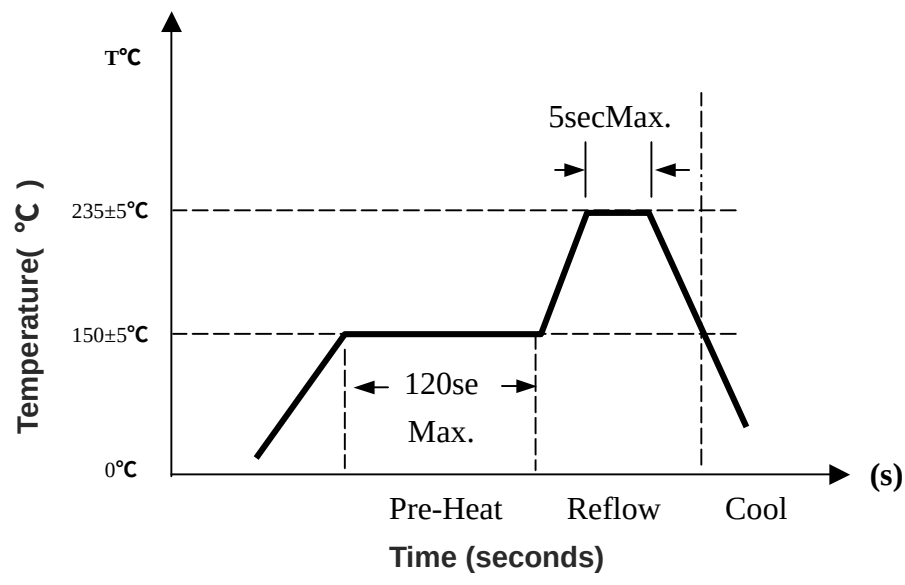
Tape specification: (mm)



Reel packing: (mm)



Reflow Temperature profile:



* Above specification subject to change without prior notice, please consult our sales representative for more information @ www.nsk.com.tw