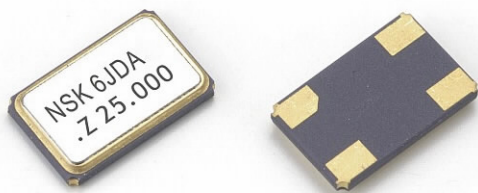


## SMD TYPE CERAMIC (SMD 5 x 3.2)



### Application of SMD crystal:

- Radio communication
- TCXO
- Office automation equipment
- GPS
- Audio-visual equipment



### {Features}

Seam welding

Excellent solderability

Automatic and perfect packing due to emboss taping

Excellent vibration resistance & shock resistance

RoHS compliant / Pb free

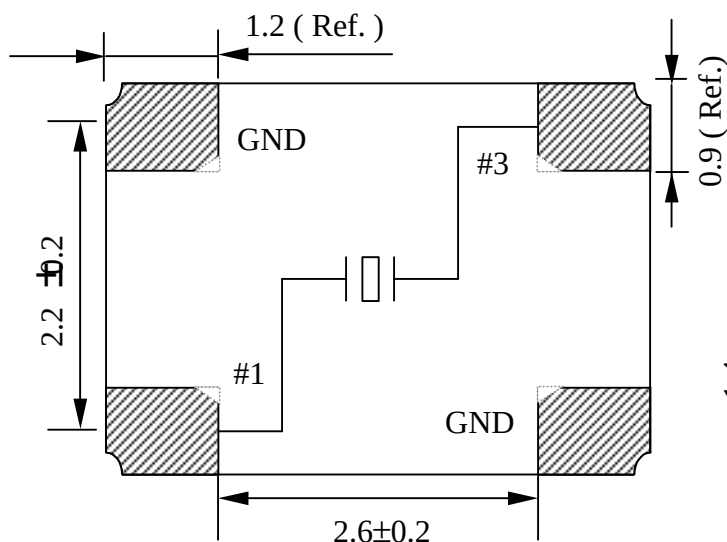
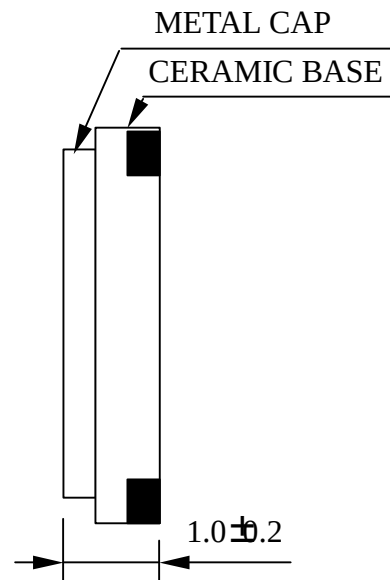
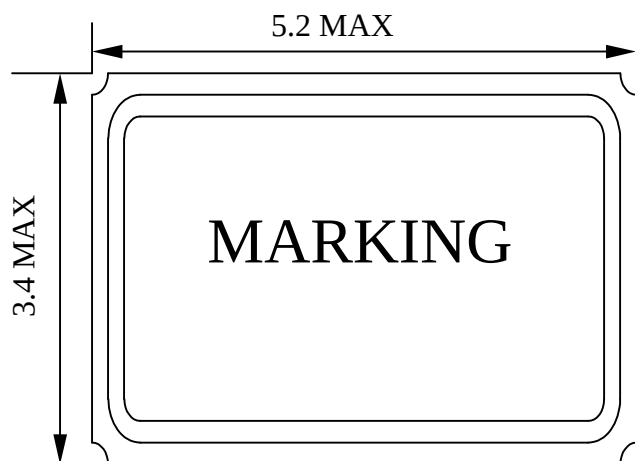
### Electrical Specification:

| Model                                         | NXH-53                                               |
|-----------------------------------------------|------------------------------------------------------|
| <b>1.Frequency</b>                            |                                                      |
| Frequency Range                               | 10.0 ~ 125.000 MHz                                   |
| Frequency Tolerance at 25 ℃ ± ℃               | ±0 ~ ±30 ppm (TYP.)                                  |
| Frequency Stability Over Operating Temp Range | ±0 ~ ±30 ppm (TYP.)                                  |
| <b>2.Environmental Condition</b>              |                                                      |
| Operating Temp Range                          | -10 ℃ ~ +60 ℃, -20 ℃ ~ +70 ℃ or customer requirement |
| Storage Temp Range                            | -40 ℃ ~ +85 ℃                                        |
| Aging Rate                                    | ±3 ppm/year                                          |
| <b>3.Electrical Specifications</b>            |                                                      |
| 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                                            |

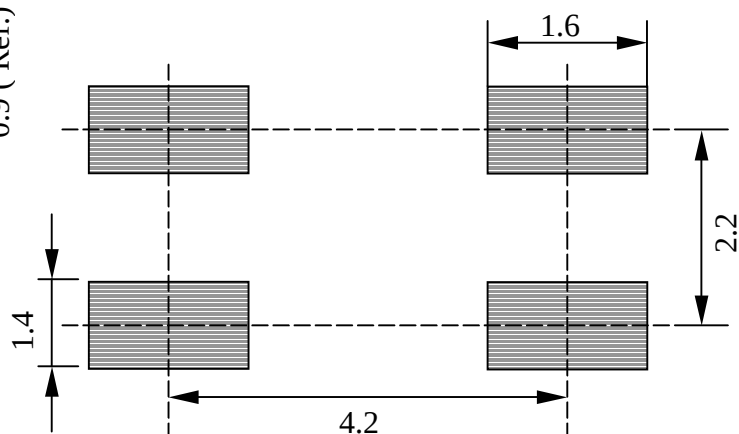
### Equivalent Series Resistance(ESR) VS Frequency:

| Frequency (MHz) | Oscillation Mode | NXH-53 |
|-----------------|------------------|--------|
| 10 ~ 12.0       | Fundamental      | 90 Ω   |
| 12.1 ~ 25.0     | Fundamental      | 70 Ω   |
| 25.1 ~ 52.0     | Fundamental      | 40 Ω   |
| 45.1 ~ 125.0    | 3rd overtone     | 100 Ω  |

## Dimensions (mm):

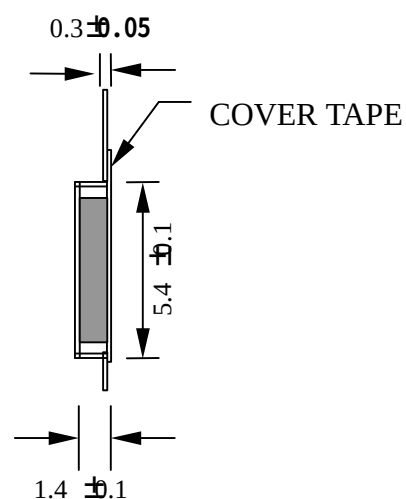
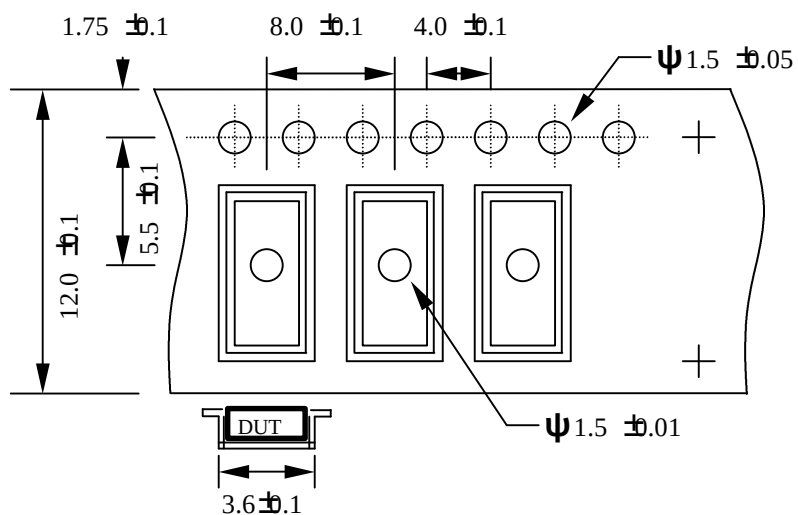


<TOP VIEW>



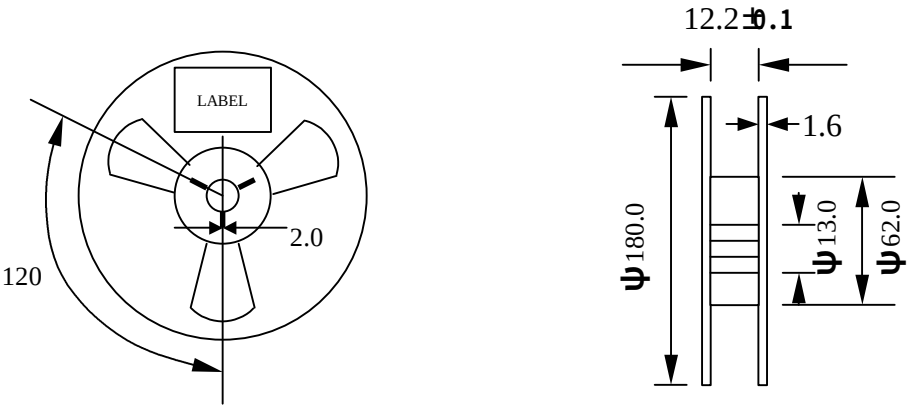
(Recommended Land Pattern)

## Tape specification (mm):

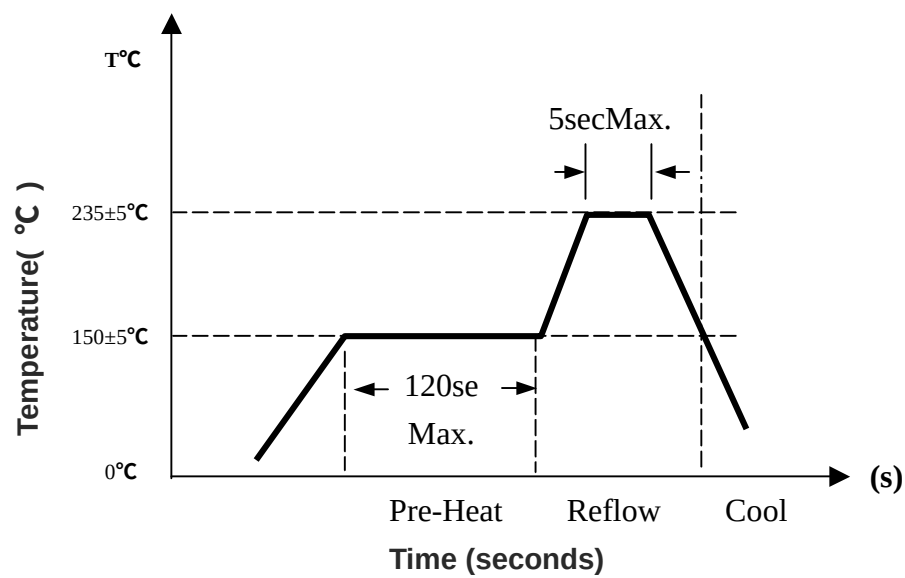


\* Above specification subject to change without prior notice, please consult our sales representative for more information @ [www.nsk.com.tw](http://www.nsk.com.tw)

**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](http://www.nsk.com.tw)