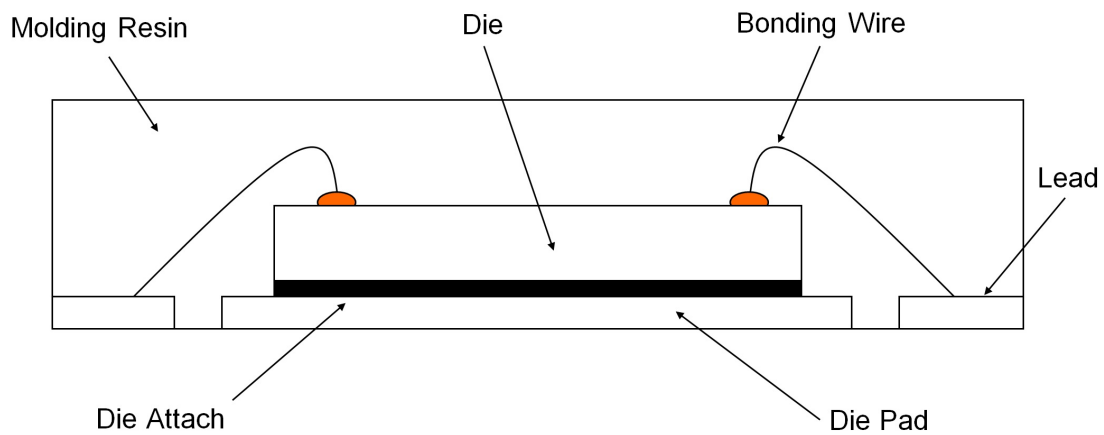


## 1. Package Information

|                    |              |
|--------------------|--------------|
| Package Name       | SSON004R1010 |
| Type               | SON          |
| Pin Count          | 4            |
| Outline Dimension  | EX077-5001   |
| Drawing No.        |              |
| Package Weight [g] | 0.002        |
| Lead Finish        | Pure Tin     |
| MSL Level          | Level1       |

## 2. Package Structure



### 3. Packing Specification

#### 3.1 Packing form, Quantity, PIN1 Orientation

|                   |       |           |
|-------------------|-------|-----------|
| Packing Form      |       | Tape&Reel |
| Packing Quantity  | [pcs] | 5000      |
| PIN 1 Orientation |       | TL        |

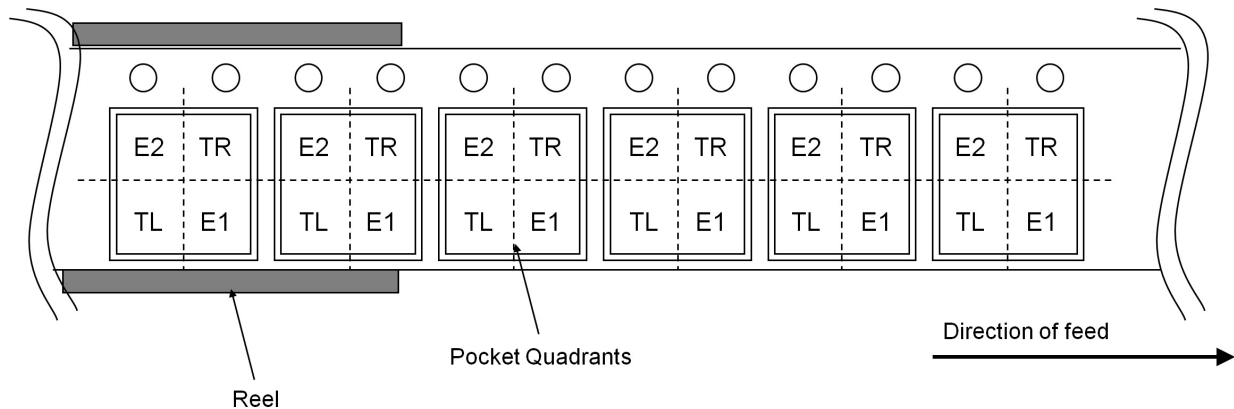


Fig.1 Quadrant Assignments for PIN 1 Orientation in Tape

E2 : PIN1 is placed to the top left corner.

TR : PIN1 is placed to the top right corner.

TL : PIN1 is placed to the lower left.

E1 : PIN1 is placed to the lower right.

#### 3.2 Use material

| Item                  | Material  |
|-----------------------|-----------|
| Embossed carrier tape | PS        |
| Cover tape            | PET+PE    |
| Reel                  | PS        |
| Unit box              | Cardboard |
| Shipping box          | Cardboard |

#### 3.3 Leader specification

No component pockets are 100 mm or more.

#### 3.4 Trailer specification

No component pockets are 40 mm or more. Tape is free from reel.

#### 3.5 Peelback strength

Cover tape peelback strength is 0.2 N to 0.7 N.

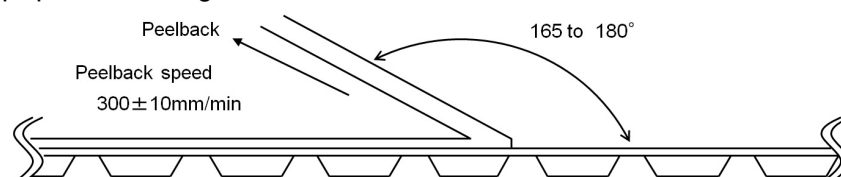


Fig. 2 Test method

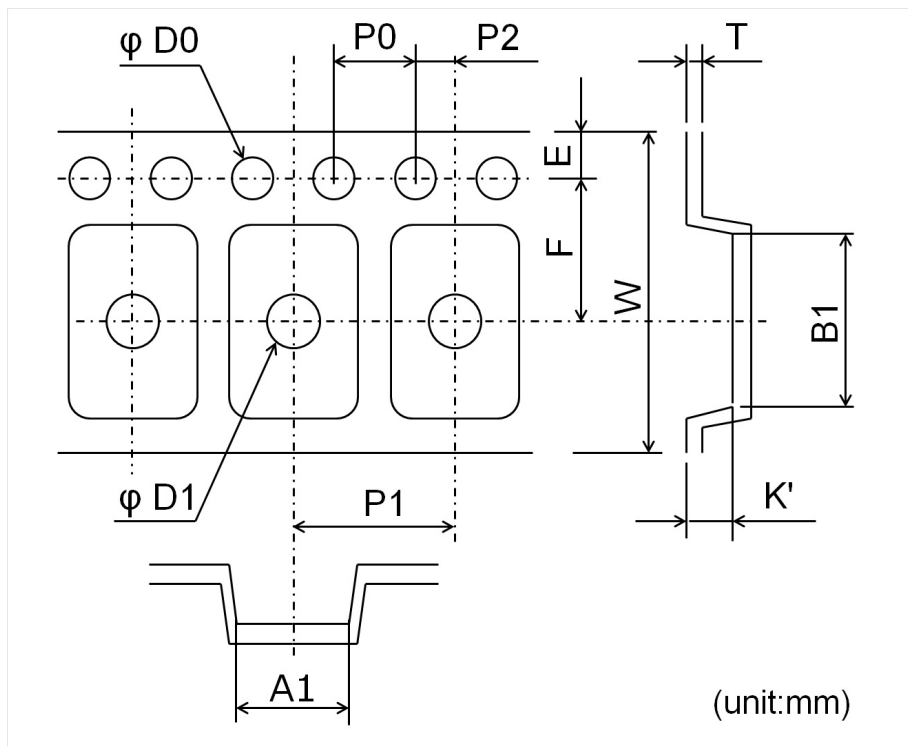
#### 3.6 Missing lcs

(1) No consecutive dropouts.

(2) A maximum 0.1 % of specified number of products in each packing may be missing.

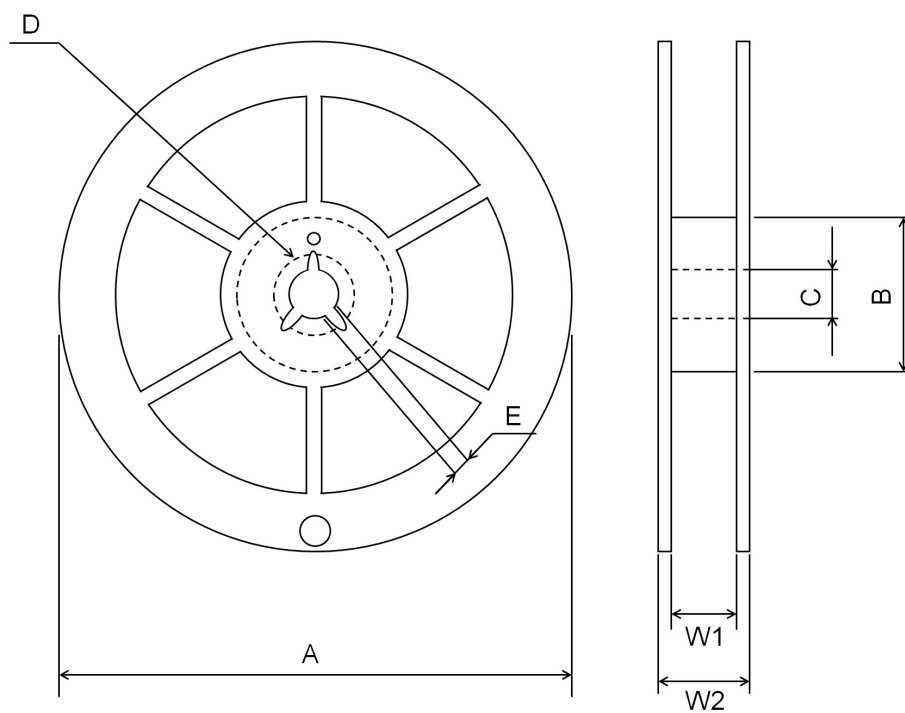
## 3.7 Tape and Reel Specification

## 3.7.1 Tape Dimension



|    | Tape Dimension | Tape Tolerance |
|----|----------------|----------------|
| A1 | 1.15           | ±0.05          |
| B1 | 1.15           | ±0.05          |
| D0 | φ1.5           | +0.1/-0        |
| D1 | φ0.5           | ±0.1           |
| E  | 1.75           | ±0.1           |
| F  | 3.50           | ±0.05          |
| K' | 0.70           | ±0.05          |
| P0 | 4.00           | ±0.1           |
| P1 | 4.00           | ±0.1           |
| P2 | 2.00           | ±0.05          |
| T  | 0.25           | ±0.05          |
| W  | 8.00           | ±0.2           |

## 3.7.2 Reel Dimension

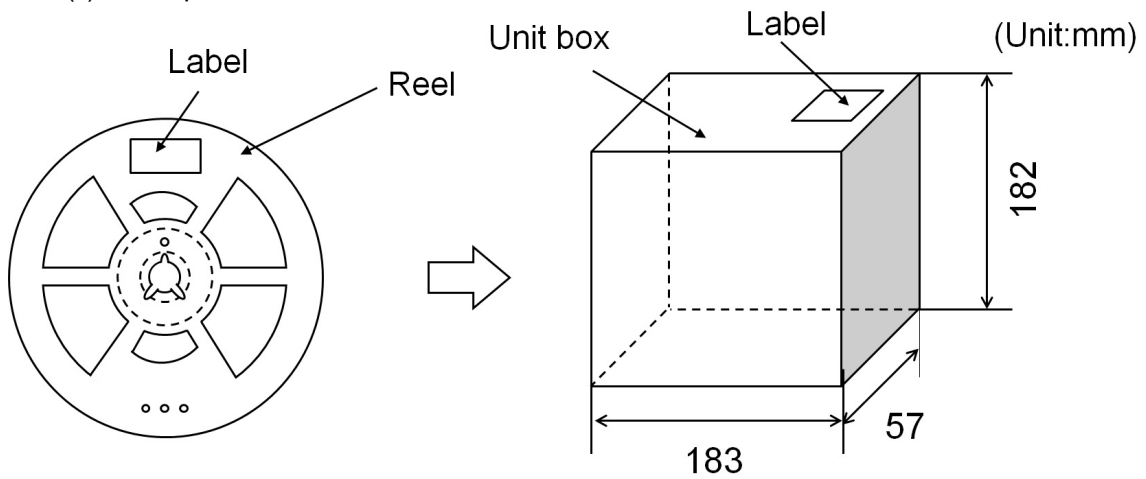


(unit:mm)

|    | Reel Dimension | Reel Tolerance |
|----|----------------|----------------|
| A  | 180            | +0/-1.5        |
| B  | 60             | +1.0/-0        |
| C  | 13             | ±0.2           |
| D  | 21             | ±0.8           |
| E  | 2              | ±0.5           |
| W1 | 9              | +1.0/-0        |
| W2 | 11.4           | ±1.0           |

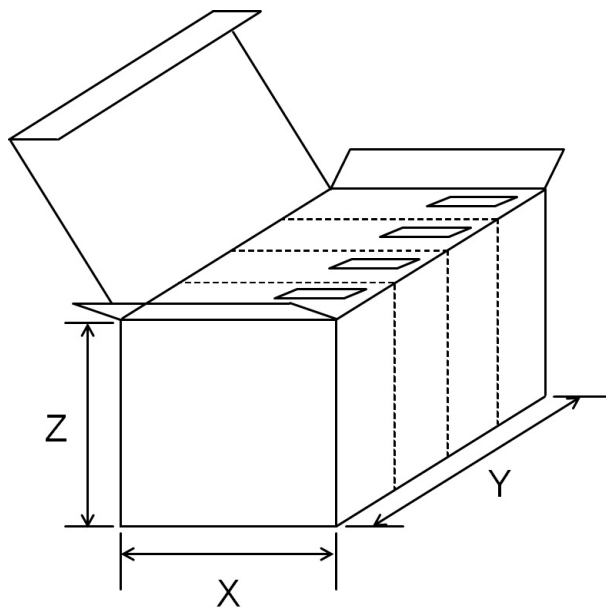
3.8 Packing Method

4 reel(s) or less per unit box



3.9 Packing Style

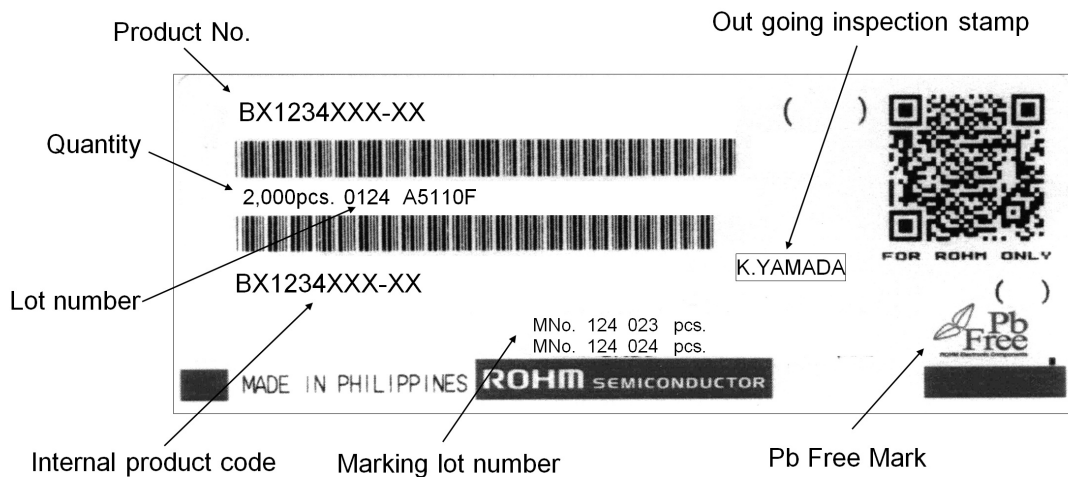
4 unit boxes or less per shipping box



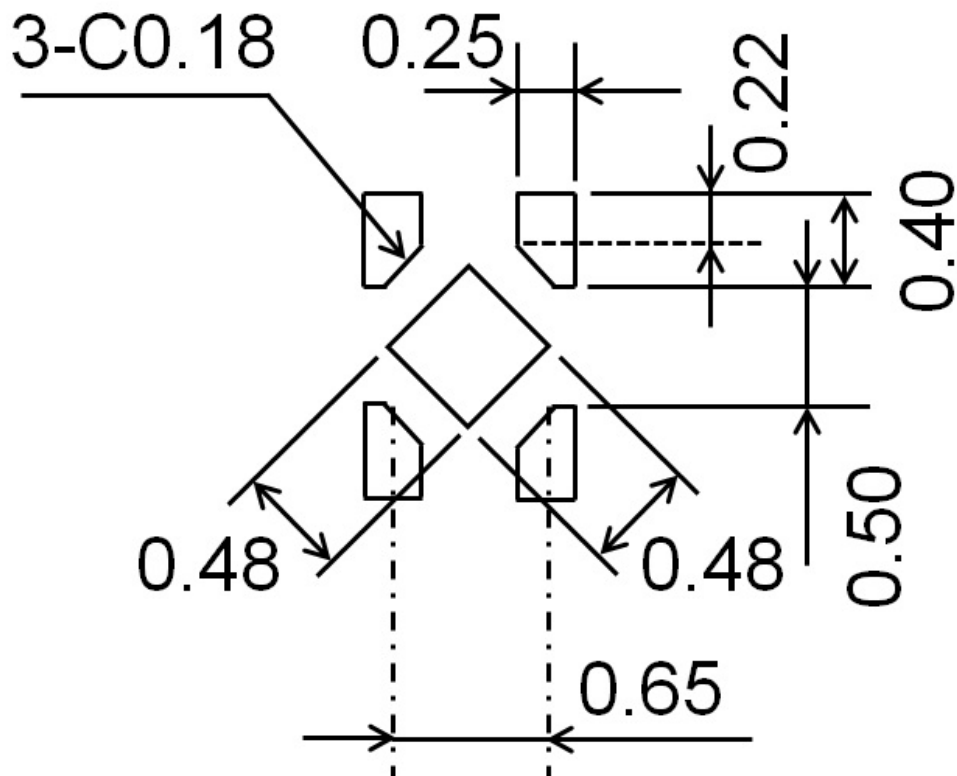
(unit:mm)

| Shipping Box Dimension |     |
|------------------------|-----|
| X                      | 190 |
| Y                      | 255 |
| Z                      | 193 |

3.10 Label Specification



4. Footprint dimensions



(unit:mm)

In actual design, please optimize in accordance with the situation of your board design and soldering condition.

## 5. Marking Specification



## 6. Storage conditions

## 6.1 Storage environment

## Recommended storage conditions

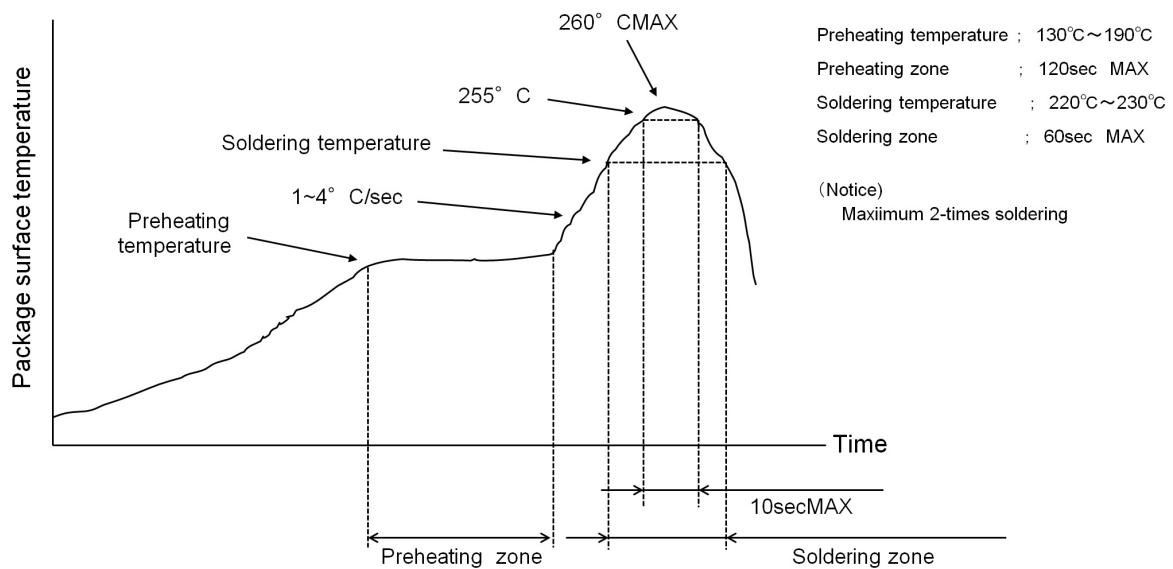
|             | Min. | Max. | Unit |
|-------------|------|------|------|
| Temperature | 5    | 30   | °C   |
| Humidity    | 40   | 70   | % RH |

## 6.2 Storage period

|                | Min. | Max. | Unit |
|----------------|------|------|------|
| Storage period | -    | 1    | year |

## 7. Soldering conditions

## 7.1 Recommended temperature profile for reflow

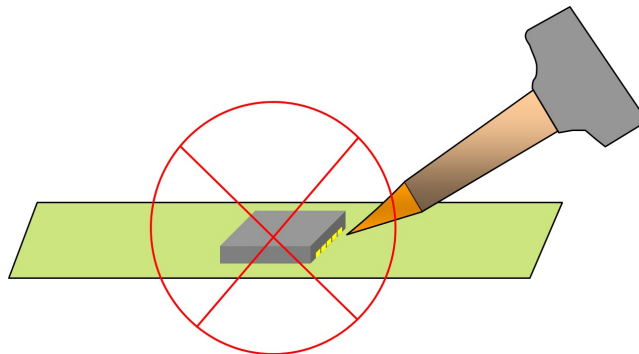


## 7.2 For wave soldering

The wave soldering method is not supported.

## 7.3 For solder iron

Rework by soldering iron is not allowed or it may cause mold crack and terminal open.

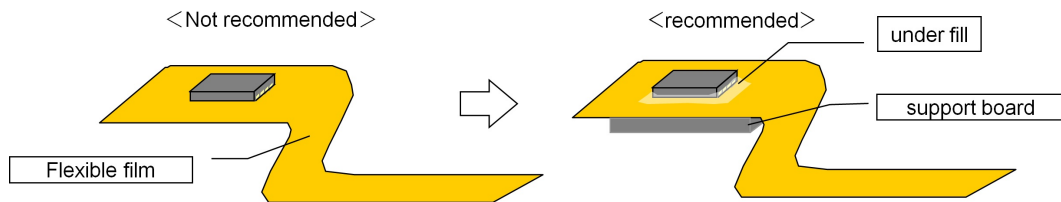




## 7.4 Caution for solder mounting

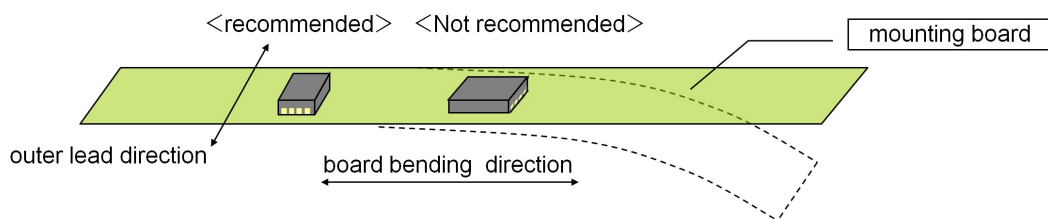
## 7.4.1 For mounting on flexible film

Mounting on flexible film, film bend may occur lack of lead from package, usage of support board and under fill is recommended.



## 7.4.2 For Mounting long and narrow board

Mounting on long and narrow board, bending stress may occur a lack of lead from package, bending board direction and outer lead direction is recommended as drawing (vertically layout) and under fill usage is recommended.



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