

Package Information: USON016X3315

1. Package Information

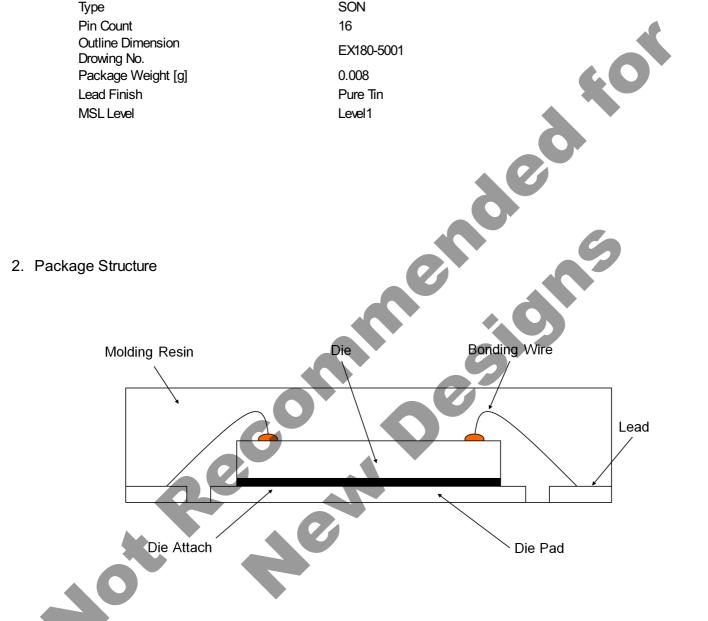
Package Name USON016X3315

Type SON Pin Count 16

Outline Dimension EX180-5001 Drowing No.

0.008 Package Weight [g] Lead Finish Pure Tin MSL Level Level1

2. Package Structure



USON016X3315 Package Information

3. Packing Specification

3.1 Packing form, Quantity, PIN1 Orientation

Packing Form Tape&Reel
Packing Quantity [pcs] 4000
PIN 1 Orientation E2

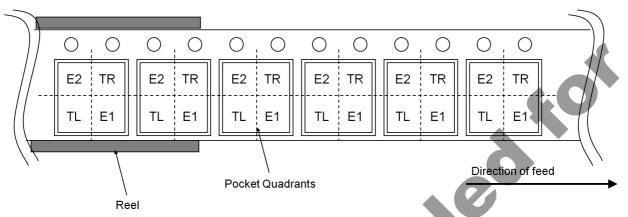


Fig.1 Quadrant Assignments for PIN 1 Orientation in Tape

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.

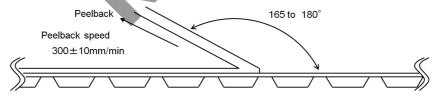
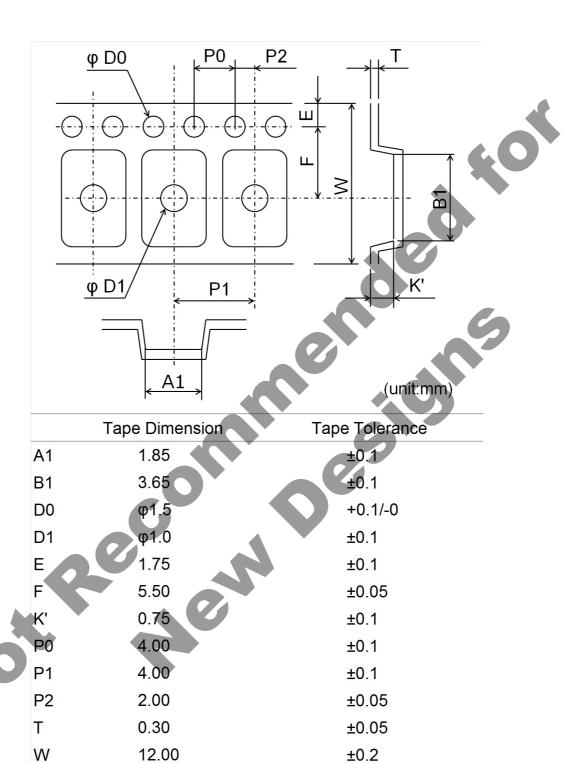


Fig. 2 Test method

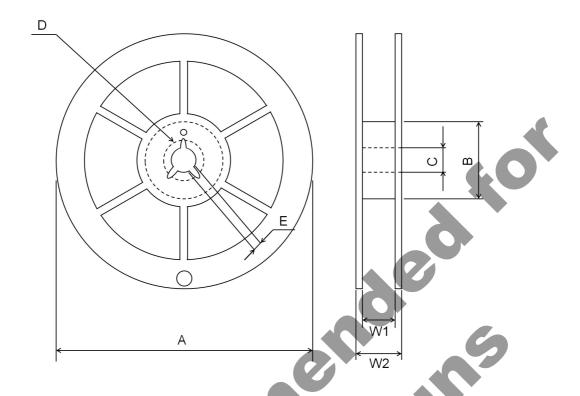
3.6 Missing Ics

- (1) No consecutive dropouts.
- (2) A maximun 0.1 % of specified number of products in each packing may be missing.

3.7 Tape and Reel Specification 3.7.1 Tape Dimension



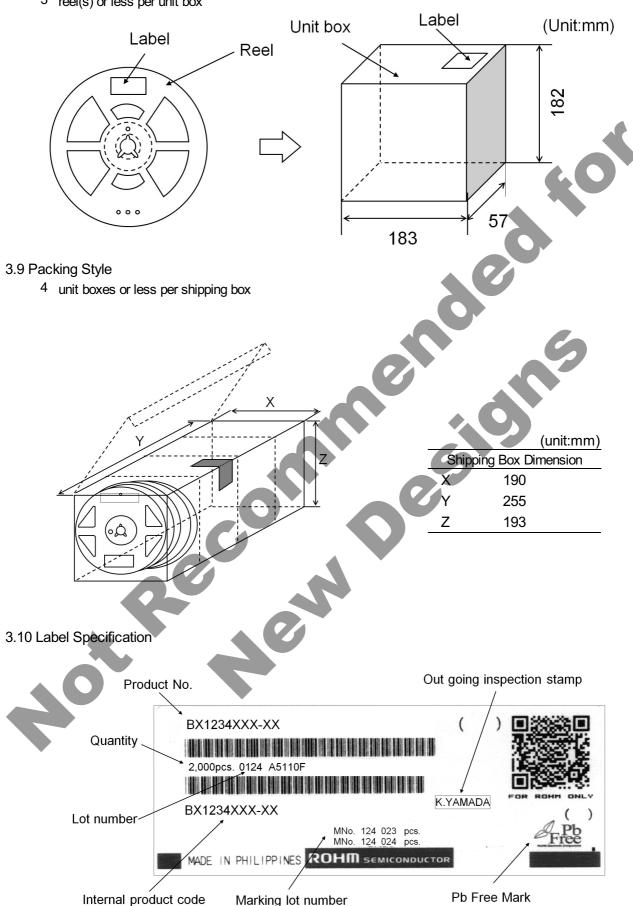
3.7.2 Reel Dimension



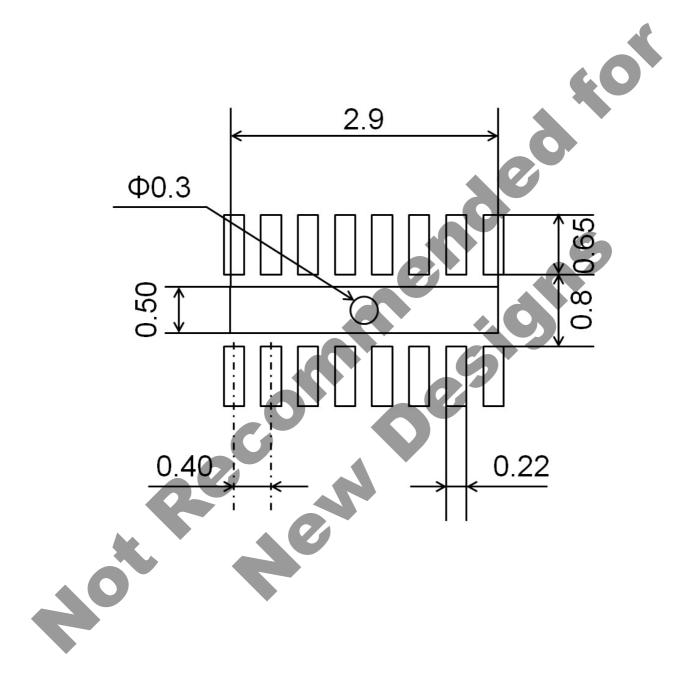
		(unit:mm)
	Reel Dimension	Reel Tolerance
Α	180	+0/-1.5
В	60	+1.0/-0
С	13	±0.2
D	21	±0.8
E	2	±0.5
W1	13	+1.0/-0
W2	15.4	±1.0

3.8 Packing Method

3 reel(s) or less per unit box



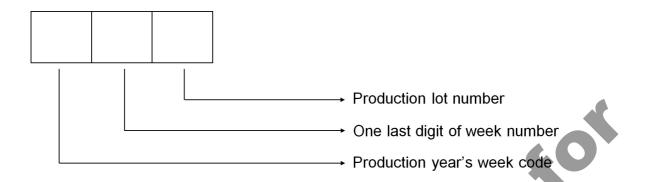
4. Footprint dimensions



(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

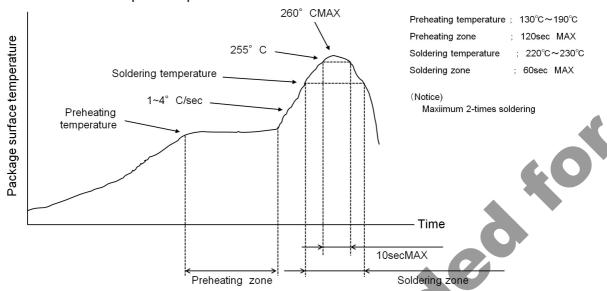
6.2 Storage period

	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

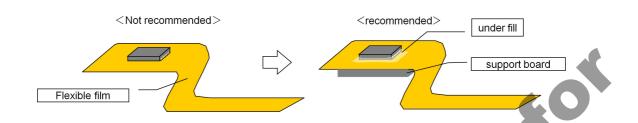
Rework by soldering iron is not allowed or it may cause mold crack and terminal open.



7.4 Caution for solder mounting

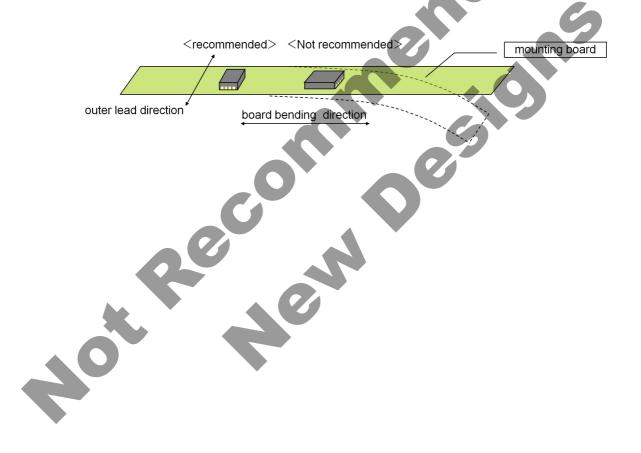
7.4.1 For mounting on flexible film

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 luck 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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