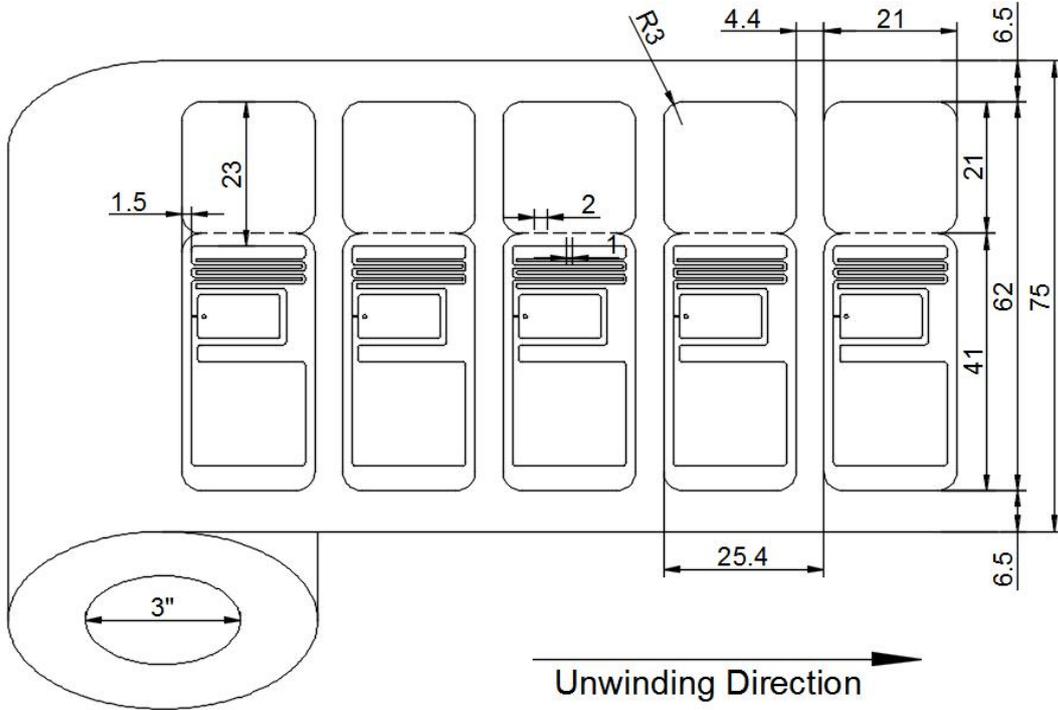


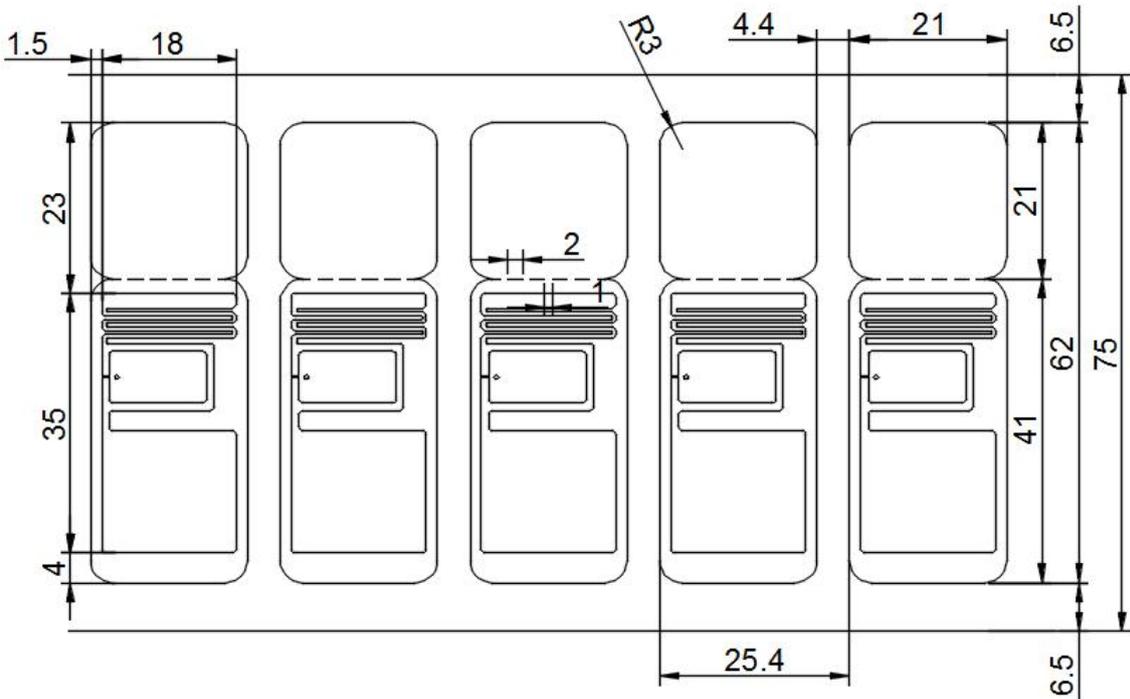
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## 1. Mechanical Characteristics

### 1.1 Appearance



### 1.2 Dimensions

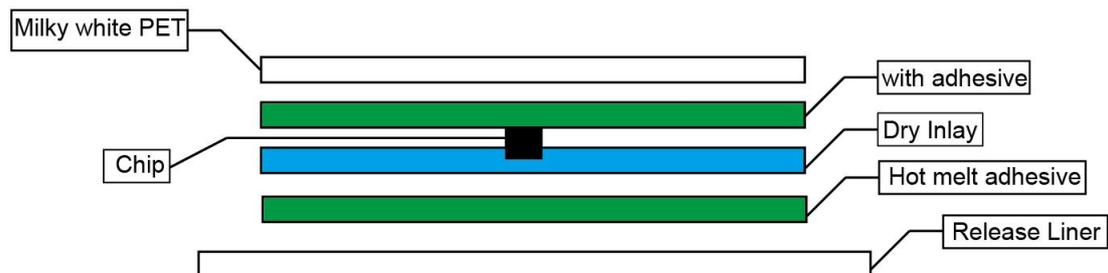


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### 1.3 Dimensions Deviation

No.	Item	Parameters mm
1	Inlay Length	18±0.20
2	Inlay Width	35±0.20
3	Inlay right to label right	1.5±1.0
4	Inlay left to label left	1.5±1.0
5	Label Length	21±0.5
6	Label Width	62±0.5
7	Label Corner Radius	R=3±0.5
8	Label Edge to Liner Edge (Top)	6.5±1.0
9	Label Edge to Liner Edge (Bottom)	6.5±1.0
10	Label Pitch	25.4±0.5
11	Label Gap	4.4±0.5
12	Liner Width	75±1.0
13	Core ID	3inch(76.20±0.50)
14	Roll OD	≦ 165
15	Inlay Top to Label Top	23±1.0
16	Inlay Edge to Label Edge (Bottom)	4.0±1.0
17	Antenna Length	18±0.2
18	Antenna Width	35±0.2

### 1.4 Structure



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## 2. Electrical Characteristics

Item	Description	Remarks	
Manufacture / Chip	NXP UCODE 9		
Base Material	PET(50um)		
Antenna	Etched Aluminum (10um) + PET (50um)		
Protocol	ISO/IEC 18000-6C EPC Class1 Gen2		
Memory	EPC	96 Bits	Read & Write
	TID	96 Bits	Read Only
	Password	No Access, 32 Bits Kill	Read & Write
	User	0 Bits	
Frequency	860~960MHz		
Operating Mode	Passive		
IC Life	100,000 Programming cycles, 20years data		
ESD Voltage Immunity	Max 2000V	Human being mode(HBM)	

## 3. Environmental Requirement

**Temperature/Humidity for Label Attaching:** [10°C to 40°C] 20% to 80%RH

**Temperature/Humidity after Label Attached to the Products:** [-20°C to +50°C] 20% to 80%RH  
(Environmental requirements of adhesive may vary on different materials).

**Shelf Life:** From the date of manufacture, 1 year at 23±5°C / 50%±10%RH), sealed in the vacuum bag and avoid direct sunlight exposure.

**Disclaimer:** Our recommendations are based on our latest knowledge and experience. We reserve all rights for final explanation.

## 4. Handling Precautions

4.1 Keep away from water and collision. DO NOT BEND.

4.2 Special requirement: NONE

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### 5. Packaging

1	Shipping format	1. Roll 2. Vacuumed packing in ESD bag
2	Quantity	2500±2Pcs/roll
3	Packaging method	8 rolls/ctn (Actual Qty as per Shipping Mark)
4	Packaging pictures	
5	Special requirement	The carton was sealed without gaps

### Revision History

Item Number		Revision History		
Date	Person	Version	Modification	
2023.4.6	Chen zhijie	A	First Release	