
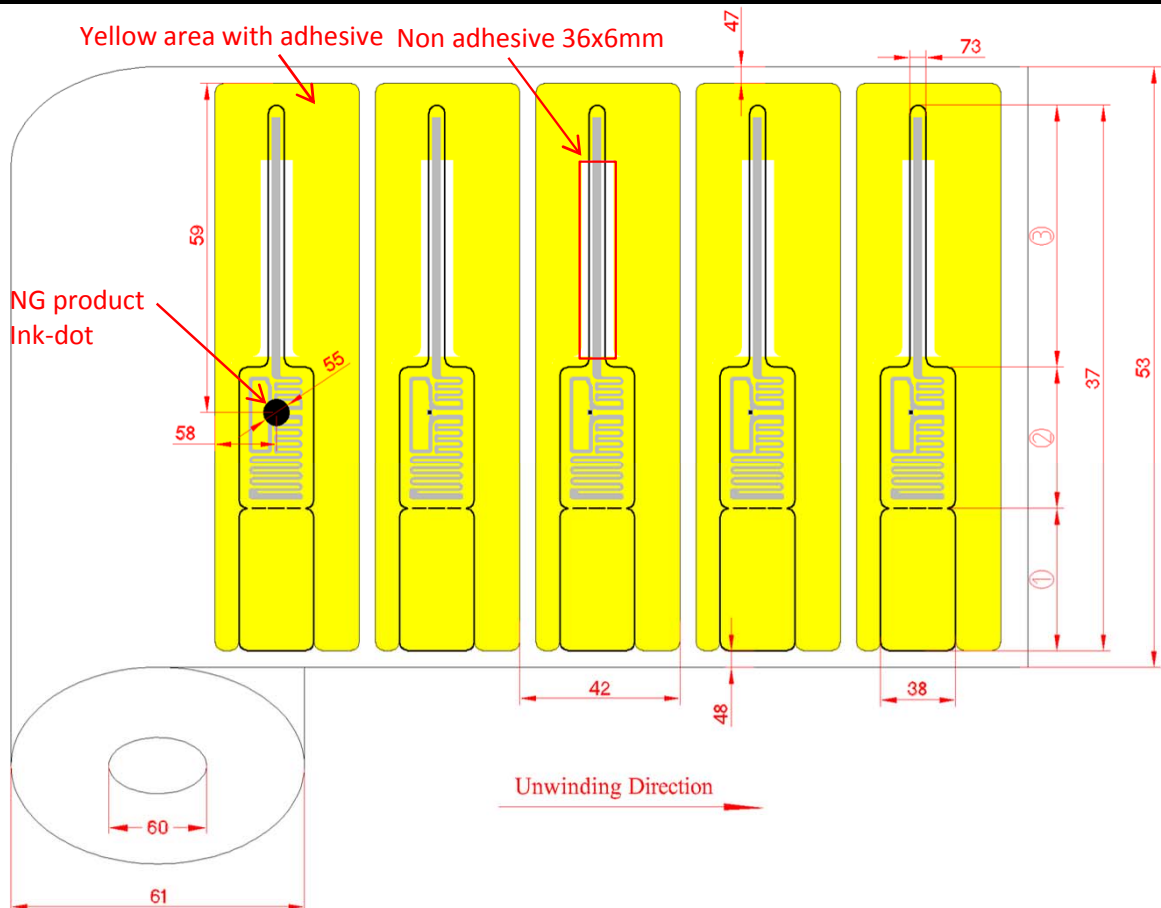


## 1. Performance Specifications

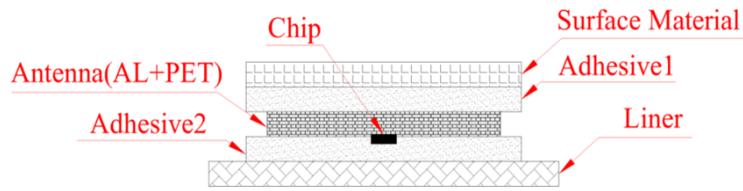
RFID Chip	NXP UCODE 7	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	UHF: 860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48 bit Serialized TID, 128 bit EPC, No User Memory	
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance: 4m (Reader and Environment Dependent)	

## 2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
37	Label Width	100.00 mm	± 0.20 mm	3.937 in.
38	Label Length	14.00 mm	± 0.50 mm	0.551 in.
①	Label ① Length	26.00 mm	± 0.50 mm	1.024 in.
②	Label ② Length	26.00 mm	± 0.50 mm	1.024 in.
③	Label ③ Length (Tail Length)	48.00 mm	± 0.50 mm	1.890 in.
42	Label Pitch	30.00 mm	± 1.00 mm	1.181 in.
47	Label Edge to Liner Edge (Top)	3.00 mm	± 2.00 mm	0.118 in.
48	Label Edge to Liner Edge (Bottom)	3.00 mm	± 2.00 mm <td 0.118 in.	
53	Liner Width	110.00 mm	± 1.00 mm	4.331 in.
55	Ink-dot Size	5.00 mm	± 2.00 mm	0.197 in.
58	Ink-dot to Product Edge(Left)	11.50 mm	± 2.00 mm	0.453 in.
59	Ink-dot to Product Edge(Top)	60.00 mm	± 2.00 mm	2.362 in.
60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in.
61	Reel Outer diameter	≤ 203mm (Based on the actual shipment quantity)		
73	Tail width	3.00 mm	± 0.20 mm	0.118 in.



### 3. Label Structure



Surface Material	White polyester	75 $\mu\text{m} \pm 8\mu\text{m}$ , 110mm(width) of resin ribbon is recommended
Adhesive 1	Acrylic emulsion	19 $\mu\text{m} \pm 5\mu\text{m}$
Antenna	Aluminum etching	AL + PET (9 $\mu\text{m} + 50\mu\text{m}$ )
Adhesive 2	Acrylic emulsion	25 $\mu\text{m} \pm 5\mu\text{m}$
Liner	White glassine paper	80g/m <sup>2</sup> $\pm 10\%$ , 74 $\mu\text{m} \pm 8\mu$

### 4. Environment Requirement

Operating Temperature/Humidity	-0 $\sim 60^{\circ}\text{C}$ / 20% $\sim 80\%$ RH	
Storage Temperature/Humidity	20 $\sim 30^{\circ}\text{C}$ / 20% $\sim 60\%$ RH	
Shelf Life	1 year in anti-static bag at 20 $\sim 30^{\circ}\text{C}$ / 20% $\sim 60\%$ RH	
ESD Voltage Immunity	2 kV (HBM)	
Bending Diameter	> 50mm	

### 5. Delivery Details

Appearance	Single row reel form	
Quantity	3000 $\pm 10$ pcs/Roll; 4 Rolls/Carton	440x440x150mm
Weight	To be determined	Based on the actual shipment quantity
Final inspection	100 %, known faulty ones marked	
Delivery yield	$\geq 99\%$	

Packaging Photograph



AllGood-Group reserves the right for modifying the specification data without notice in advance!