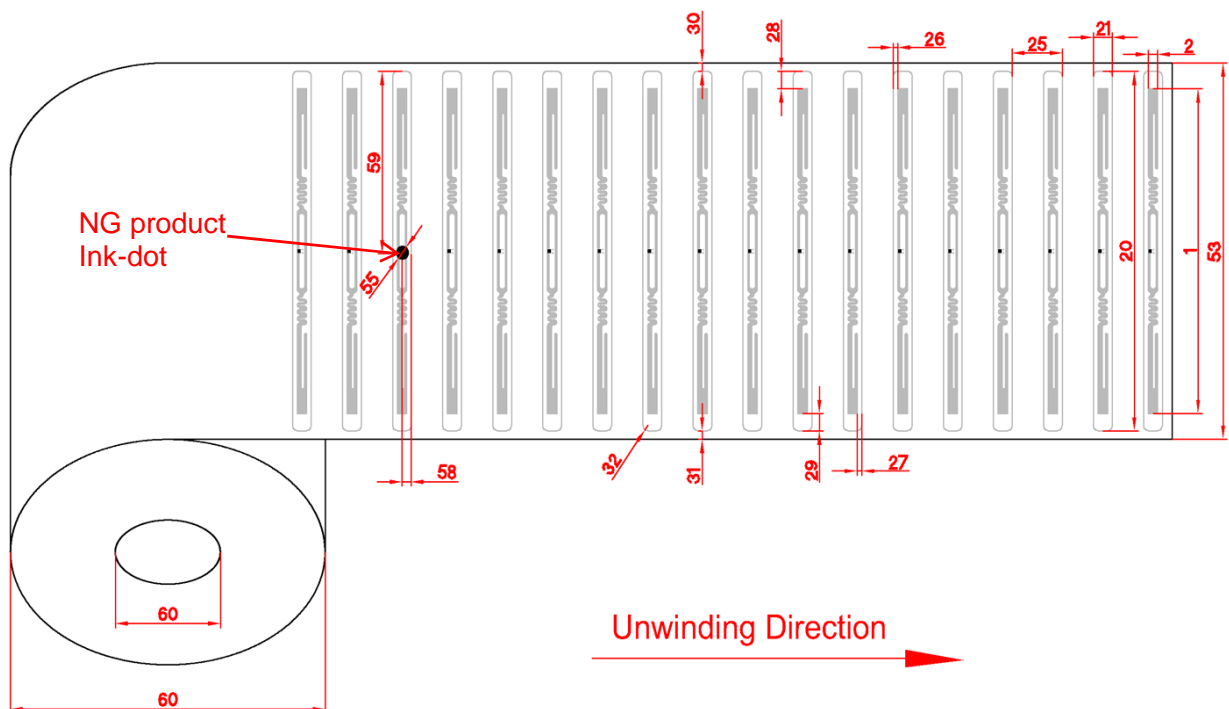


## 1. Performance Specifications

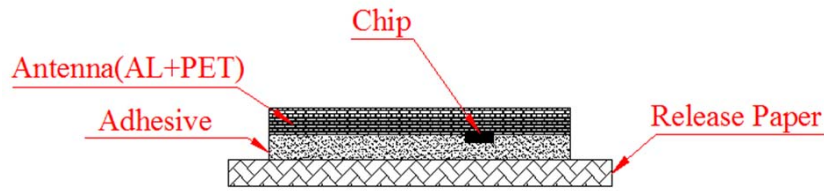
RFID Chip	NXP U Code 7		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	48bit TID, 128 bit EPC, 0 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance	Average reading distance > 4m (Reader and Environment Dependent)		

## 2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	95.00 mm	± 0.20 mm	3.740 in
2	Antenna Length	3.00 mm	± 0.20 mm	0.118 in
20	Wet inlay Width	105.00 mm	± 0.20 mm	4.134 in
21	Wet inlay Length	6.00 mm	± 0.50 mm	0.236 in
25	Wet inlay Pitch	16.00 mm	± 0.50 mm	0.630 in
26	Antenna to PET (Left)	1.50 mm	± 1.50 mm	0.059 in
27	Antenna to PET (Right)	1.50 mm	± 1.50 mm	0.059 in
28	Antenna to PET (Top)	5.00 mm	± 1.50 mm	0.197 in
29	Antenna to PET (Bottom)	5.00 mm	± 1.50 mm	0.197 in
30	Wet inlay Edge to Liner Edge (Top)	2.50 mm	± 2.00 mm	0.098 in
31	Wet inlay Edge to Liner Edge (Bottom)	2.50 mm	± 2.00 mm	0.098 in
32	Wet inlay Corner Radius	1.50 mm	± 0.20 mm	0.059 in
53	Liner Width	110.00 mm	± 1.00 mm	4.331 in
55	Ink-dot Size	4.00 mm	± 2.00 mm	0.157 in
58	Ink-dot to Product Edge(Right)	3.00 mm	± 2.00 mm	0.118 in
59	Ink-dot to Product Edge(Top)	52.50 mm	± 2.00 mm	2.067 in
60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in
61	Reel Outer diameter	(Based on the actual shipment quantity)		



### 3. Clean wet inlay Structure



Antenna	Aluminum etching	PET: 50 $\mu\text{m} \pm 3\mu\text{m}$ ; AL: 10 $\mu\text{m} \pm 3\mu\text{m}$
Adhesive	Acrylic emulsion	19g/m <sup>2</sup> $\pm$ 5g/m <sup>2</sup>
Release Paper	White glassine paper	61g/m <sup>2</sup> , 55 $\mu\text{m} \pm 5\mu\text{m}$

### 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	5000 $\pm$ 100 pcs/Roll; 4 Rolls/Carton	Based on the actual shipment quantity
Weight	To be determined	
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!