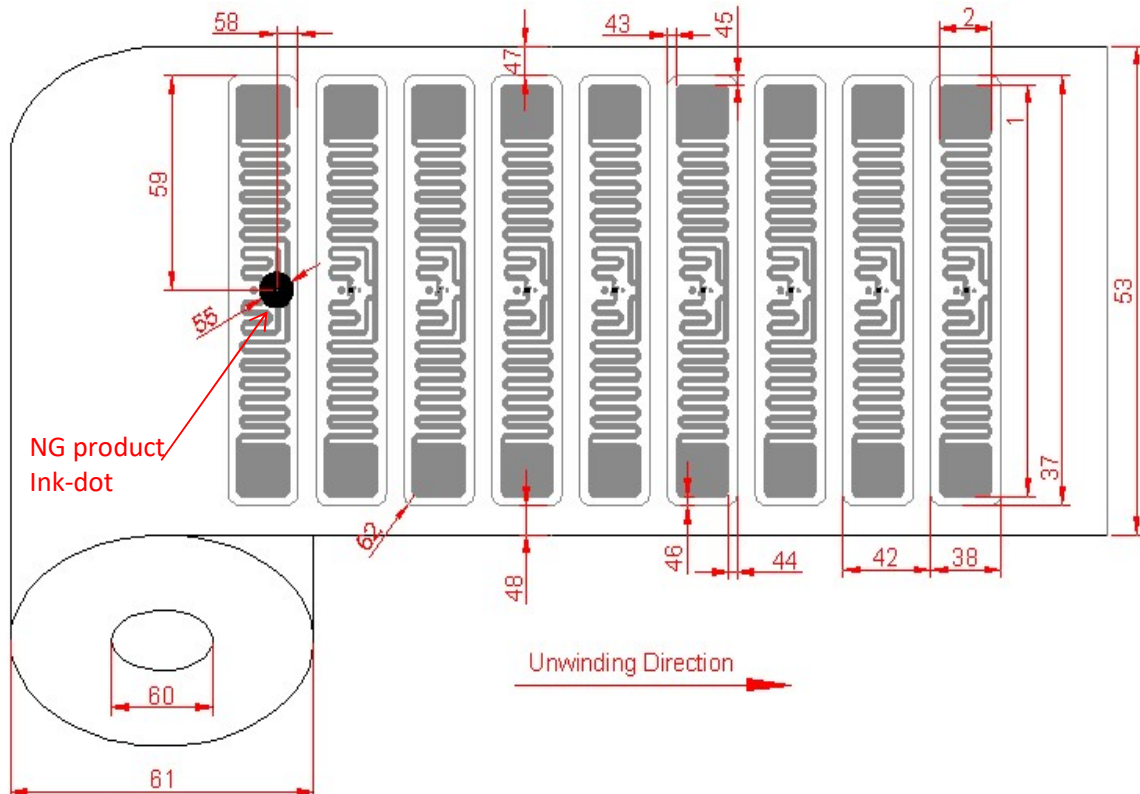


## 1. Performance Specifications

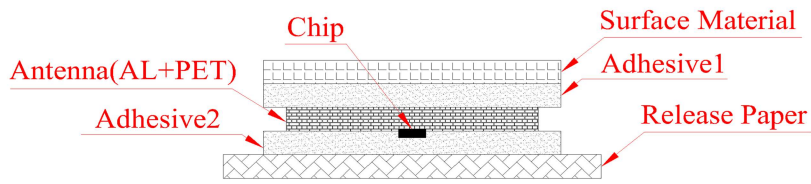
RFID Chip	Alien H3		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance	Average reading distance >4m (Reader and Environment Dependent)		

## 2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	70.00 mm	± 0.20 mm	2.756 in.
2	Antenna Length	9.50 mm	± 0.20 mm	0.374 in.
37	Label Width	73.00 mm	± 0.20 mm	2.874 in.
38	Label Length	12.70 mm	± 0.50 mm	0.500 in.
42	Label Pitch	15.88 mm	± 1.00 mm	0.625 in.
43	Antenna Edge to Label Edge (Left)	1.60 mm	± 1.25 mm	0.063 in.
44	Antenna Edge to Label Edge (Right)	1.60 mm	± 1.25 mm	0.063 in.
45	Antenna Edge to Label Edge (Top)	1.50 mm	± 1.25 mm	0.059 in.
46	Antenna Edge to Label Edge (Bottom)	1.50 mm	± 1.25 mm	0.059 in.
47	Label Edge to Liner Edge (Top)	5.00 mm	± 1.50 mm	0.197 in.
48	Label Edge to Liner Edge (Bottom)	5.00 mm	± 1.50 mm	0.197 in.
53	Liner Width	83.00 mm	± 1.00 mm	3.268 in.
55	Ink-dot Size	5.00 mm	± 2.00 mm	0.197 in
58	Ink-dot to Product Edge(Right)	3.81 mm	± 2.00 mm	0.150 in
59	Ink-dot to Product Edge(Top)	36.50 mm	± 2.00 mm	1.437 in
60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in.
61	Reel Outer diameter	≤ 203 mm (Based on the actual shipment quantity)		
62	Label Corner Radius	1.50 mm	± 0.20 mm	0.059 in.



### 3. Label Structure



Surface Material	White art paper	80g/m <sup>2</sup> ± 10%, 72μm ± 10%
Adhesive 1	Acrylic emulsion	19g/m <sup>2</sup> ± 5g/m <sup>2</sup>
Antenna	Aluminum etching	AL + PET (10μm + 50μm)
Adhesive 2	Acrylic emulsion	19g/m <sup>2</sup> ± 5g/m <sup>2</sup>
Release Paper	White glassine paper	61g/m <sup>2</sup> ± 10%, 55μm ± 10%

### 4. Environment Requirement

Operating Temperature/Humidity	-0~60°C / 20%~80% RH	
Storage Temperature/Humidity	20~30°C / 20%~60% RH	
Shelf Life	1 year in anti-static bag at 20~30°C / 20% ~60% RH	
ESD Voltage Immunity	2 kV (HBM)	
Bending Diameter	> 50mm	

### 5. Delivery Details

Appearance	Single row reel form	
Quantity	5000 ± 10 pcs/Roll; 8 Rolls/Carton	Carton Size: 440x440x150mm
Weight	To be determined	Based on the actual shipment quantity
Final inspection	100 %, known faulty ones marked	
Delivery yield	≥ 99%	

Packaging  
Photograph



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