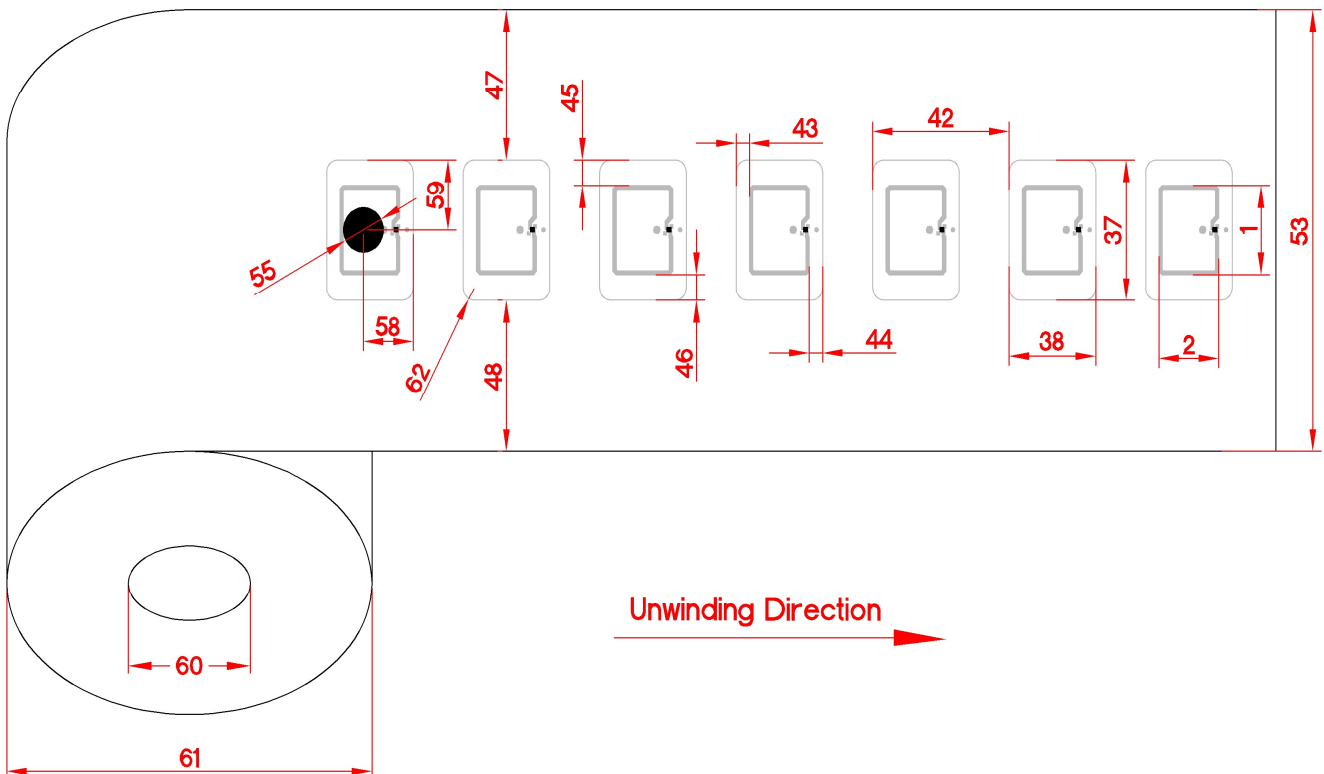


1. Performance Specifications

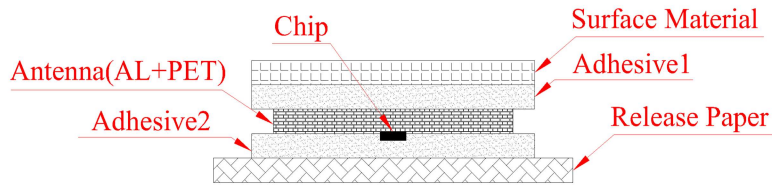
RFID Chip	Alien H3	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 20cm (Reader and Environment Dependent)	

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	9.00 mm	± 0.20 mm	0.354 in
2	Antenna Length	12.00 mm	± 0.20 mm	0.472 in
37	Label Width	13.00 mm	± 0.20 mm	0.512 in
38	Label Length	19.00 mm	± 0.50 mm	0.748 in
42	Label Pitch	20.00 mm	± 1.00 mm	0.787 in
43	Antenna Edge to Label Edge (Left)	2.00 mm	± 1.50 mm	0.079 in
44	Antenna Edge to Label Edge (Right)	2.00 mm	± 1.50 mm	0.079 in
45	Antenna Edge to Label Edge (Top)	3.50 mm	± 2.00 mm	0.138 in
46	Antenna Edge to Label Edge (Bottom)	3.50 mm	± 2.00 mm	0.138 in
47	Label Edge to Liner Edge (Top)	20.50 mm	± 2.00 mm	0.807 in
48	Label Edge to Liner Edge (Bottom)	20.50 mm	± 2.00 mm	0.807 in
53	Liner Width	60.00 mm	± 1.00 mm	2.362 in.
55	Ink-dot Size	5.00 mm	± 2.00 mm	0.197 in
58	Ink-dot to Product Edge(Right)	7.50 mm	± 2.00 mm	0.295 in
59	Ink-dot to Product Edge(Top)	9.50 mm	± 2.00 mm	0.374 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	1.60 mm	± 0.20 mm	0.063 in.



3. Label Structure



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

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