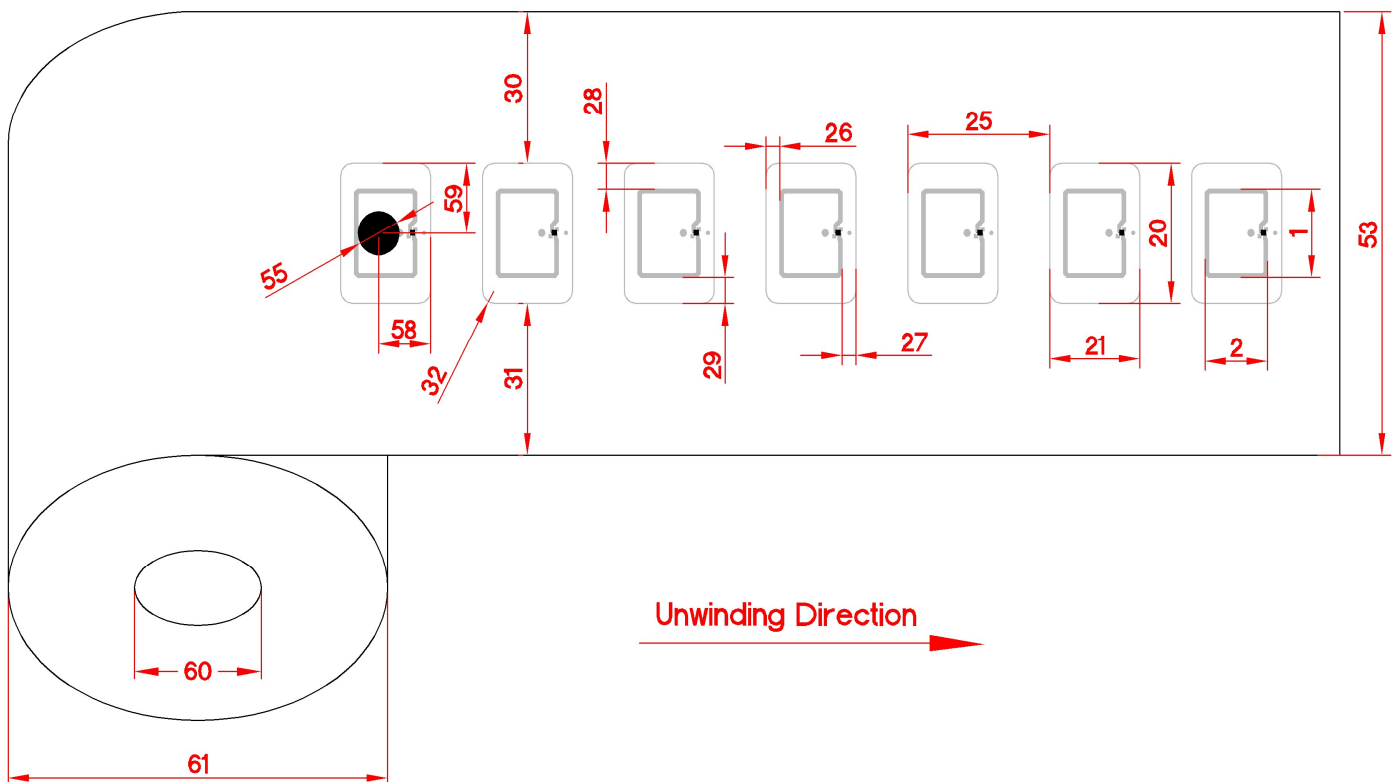


1. Performance Specifications

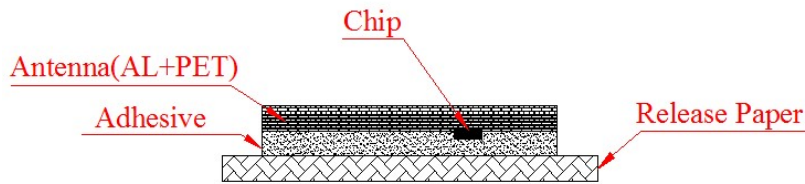
RFID Chip	Alien H3	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average 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
20	Wet inlay Width	13.00 mm	± 0.20 mm	0.512 in
21	Wet inlay Length	19.00 mm	± 0.50 mm	0.748 in
25	Wet inlay Pitch	20.00 mm	± 0.50 mm	0.787 in
26	Antenna to PET (Left)	2.00 mm	± 1.50 mm	0.079 in
27	Antenna to PET (Right)	2.00 mm	± 1.50 mm	0.079 in
28	Antenna to PET (Top)	3.50 mm	± 1.50 mm	0.138 in
29	Antenna to PET (Bottom)	3.50 mm	± 1.50 mm	0.138 in
30	Wet inlay Edge to Liner Edge (Top)	20.50 mm	± 2.00 mm	0.807 in
31	Wet inlay Edge to Liner Edge (Bottom)	20.50 mm	± 2.00 mm	0.807 in
32	Wet inlay Corner Radius	1.60 mm	± 0.20 mm	0.063 in
53	Liner Width	60.00 mm	± 1.00 mm	2.362 in
55	Ink-dot Size	6.00 mm	± 2.00 mm	0.236 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	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	$19\text{g}/\text{m}^2 \pm 5\text{g}/\text{m}^2$
Release Paper	White glassine paper	$61\text{g}/\text{m}^2$, $55\mu\text{m} \pm 5\mu\text{m}$

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	$> 50\text{mm}$	

5. Delivery Details

Appearance	Single row reel form	
Quantity	5000 ± 100 pcs/Roll; 8 Rolls/Carton	Based on the actual shipment quantity
Weight	To be determined	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!