

UHF Adhesive Label

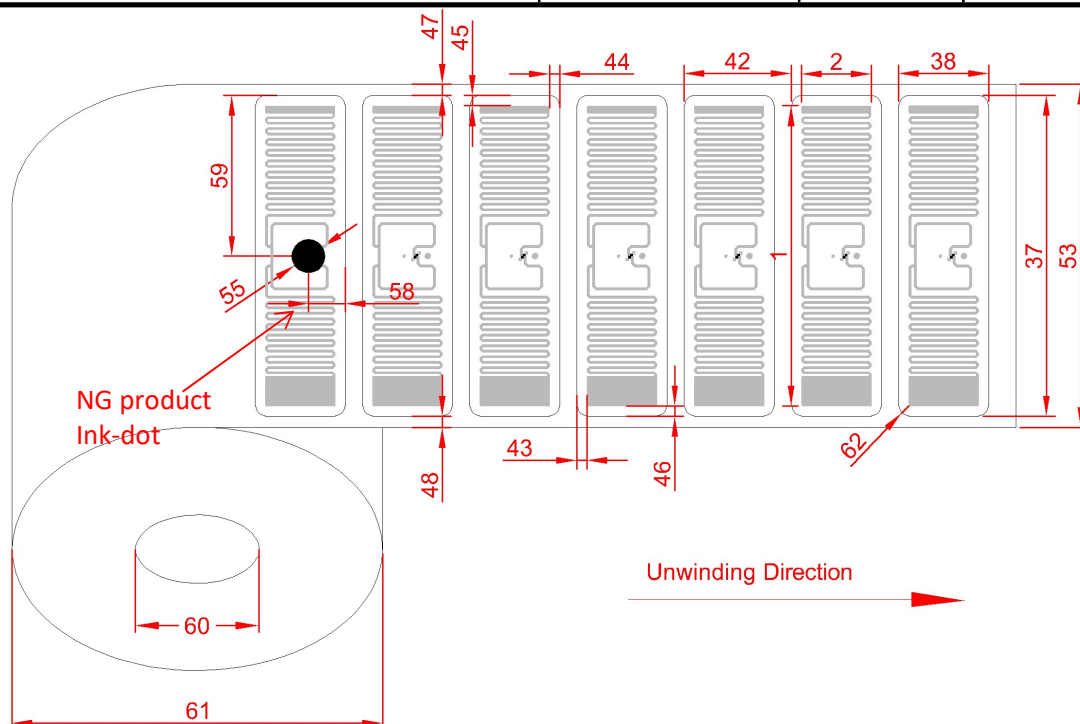
(Item: Alien REF 9610 AL04701351U)

1. Performance Specifications

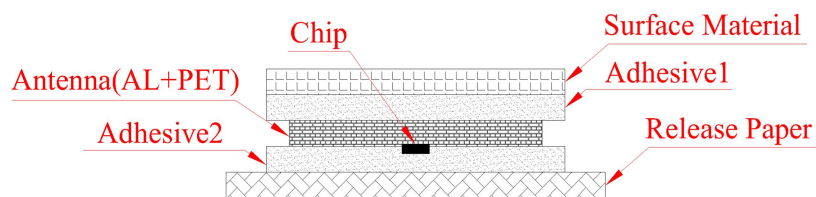
RFID Chip	Alien H3		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance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

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	44.45 mm	± 0.20 mm	1.750 in.
2	Antenna Length	10.33 mm	± 0.20 mm	0.407 in.
37	Label Width	47.50 mm	± 0.20 mm	1.870 in.
38	Label Length	13.38 mm	± 0.50 mm	0.527 in.
42	Label Pitch	15.88 mm	± 1.00 mm	0.625 in.
43	Antenna Edge to Label Edge (Left)	1.50 mm	± 1.50 mm	0.059 in.
44	Antenna Edge to Label Edge (Right)	1.50 mm	± 1.50 mm	0.059 in.
45	Antenna Edge to Label Edge (Top)	1.50 mm	± 1.50 mm	0.059 in.
46	Antenna Edge to Label Edge (Bottom)	1.50 mm	± 1.50 mm	0.059 in.
47	Label Edge to Liner Edge (Top)	1.65 mm	± 1.50 mm	0.065 in.
48	Label Edge to Liner Edge (Bottom)	1.65 mm	± 1.50 mm	0.065 in.
53	Liner Width	50.80 mm	± 1.00 mm	2.000 in.
55	Ink-dot Size	5.00 mm	± 2.00 mm	0.197 in.
58	Ink-dot to Product Edge(Right)	5.44 mm	± 2.00 mm	0.214 in.
59	Ink-dot to Product Edge(Top)	23.75 mm	± 2.00 mm	0.935 in.
60	Core inner diameter	153.42 mm	± 1.00 mm	6.040 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 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℃ / 20%~80% RH	
Storage Temperature/Humidity	20~30℃ / 20%~60% RH	
Shelf Life	1 year in anti-static bag at 20~30℃ / 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!