

UHF Adhesive Label

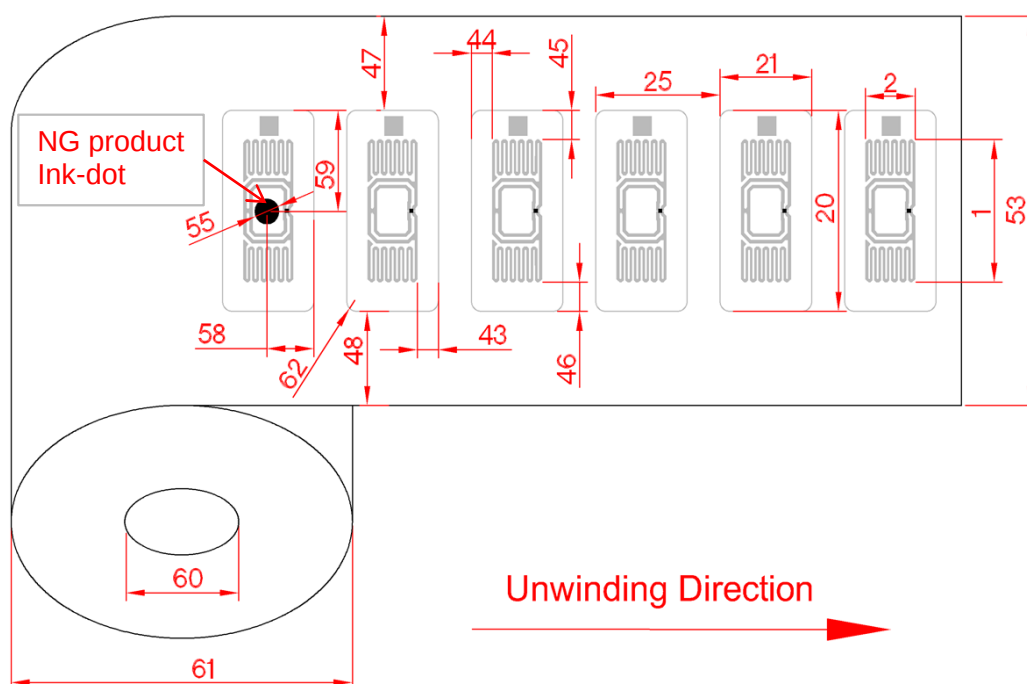
(Item : AL031014B1U)

1. Performance Specifications

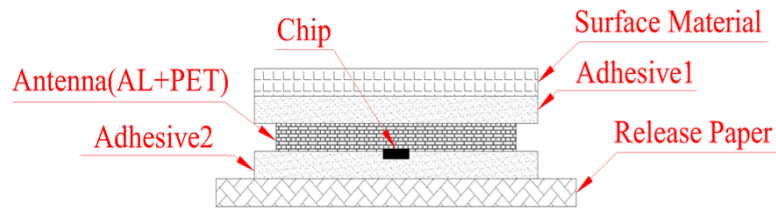
RFID Chip	Impinj/Monza 4E		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	48bit TID, 48 bit EPC,128 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Benefits	Average reading distance >0.3m (Reader and Environment Dependent)		

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	22.00 mm	± 0.20 mm	0.866 in.
2	Antenna Length	8.00 mm	± 0.20 mm	0.315 in.
37	Label Width	31.00 mm	± 0.20 mm	1.220 in.
38	Label Length	14.70 mm	± 0.50 mm	0.579 in.
42	Label Pitch	20.00 mm	± 1.00 mm	0.787 in.
43	Antenna Edge to Label Edge (Left)	3.35 mm	± 2.00 mm	0.132 in.
44	Antenna Edge to Label Edge (Right)	3.35 mm	± 2.00 mm	0.132 in.
45	Antenna Edge to Label Edge (Top)	4.50 mm	± 2.00 mm	0.177 in.
46	Antenna Edge to Label Edge (Bottom)	4.50 mm	± 2.00 mm	0.177 in.
47	Label Edge to Liner Edge (Top)	14.50 mm	± 1.50 mm	0.571 in.
48	Label Edge to Liner Edge (Bottom)	14.50 mm	± 1.50 mm	0.571 in.
53	Liner Width	60.00 mm	± 1.00 mm	2.362 in.
55	Ink-dot Size	4.00 mm	± 2.00 mm	0.157 in.
58	Ink-dot to Product Edge(Right)	7.35 mm	± 2.00 mm	0.289 in.
59	Ink-dot to Product Edge(Top)	15.00 mm	± 2.00 mm	0.591 in.
60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in.
61	Reel Outer diameter	(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	10000 ± 100pcs/Roll; 4 Rolls/Carton	Based on the actual shipment quantity
Weight	To be determined	
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!

AllGood-Group Shenzhen AllGood Sci & Tech Co., Ltd.
<http://www.allgood-group.cn> <http://www.allgood-rfid.com>