

UHF Adhesive Label

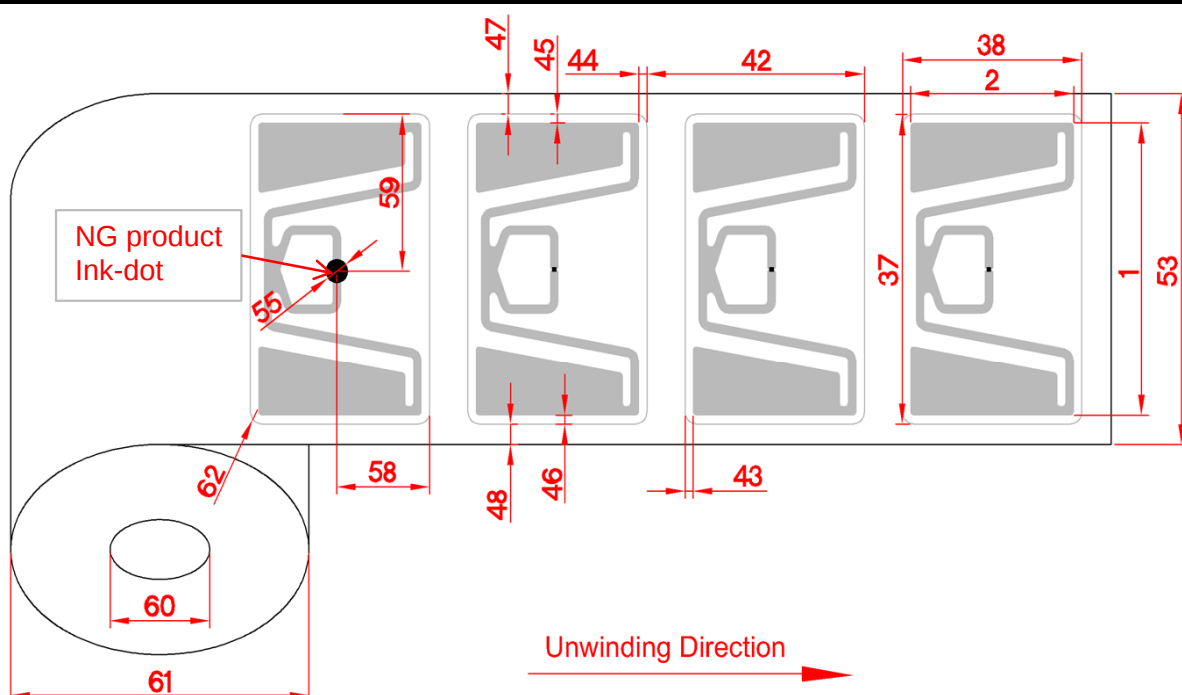
(Item : AL053033E2U-HR6)

1. Performance Specifications

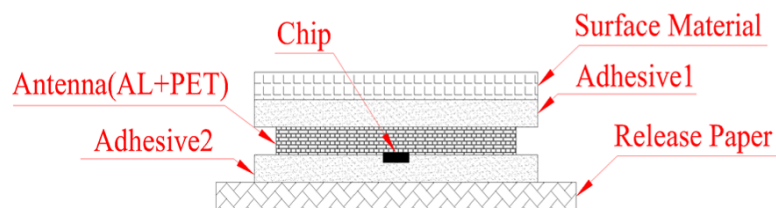
RFID Chip	Impinj/Monza R6		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	48bit TID, Up to 96 bit EPC, 0 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Benefits	Average reading distance >3m (Reader and Environment Dependent)		

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	50.00 mm	± 0.20 mm	1.969 in.
2	Antenna Length	30.00 mm	± 0.20 mm	1.181 in.
37	Label Width	53.00 mm	± 0.20 mm	2.087 in.
38	Label Length	33.00 mm	± 0.50 mm	1.299 in.
42	Label Pitch	40.00 mm	± 1.00 mm	1.575 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)	3.50 mm	± 1.50 mm	0.138 in.
48	Label Edge to Liner Edge (Bottom)	3.50 mm	± 1.50 mm	0.138 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)	15.60 mm	± 2.00 mm	0.614 in.
59	Ink-dot to Product Edge(Top)	26.50 mm	± 2.00 mm	1.043 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	2.00 mm	± 0.20 mm	0.079 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	2500 ± 100pcs/Roll; 8 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!