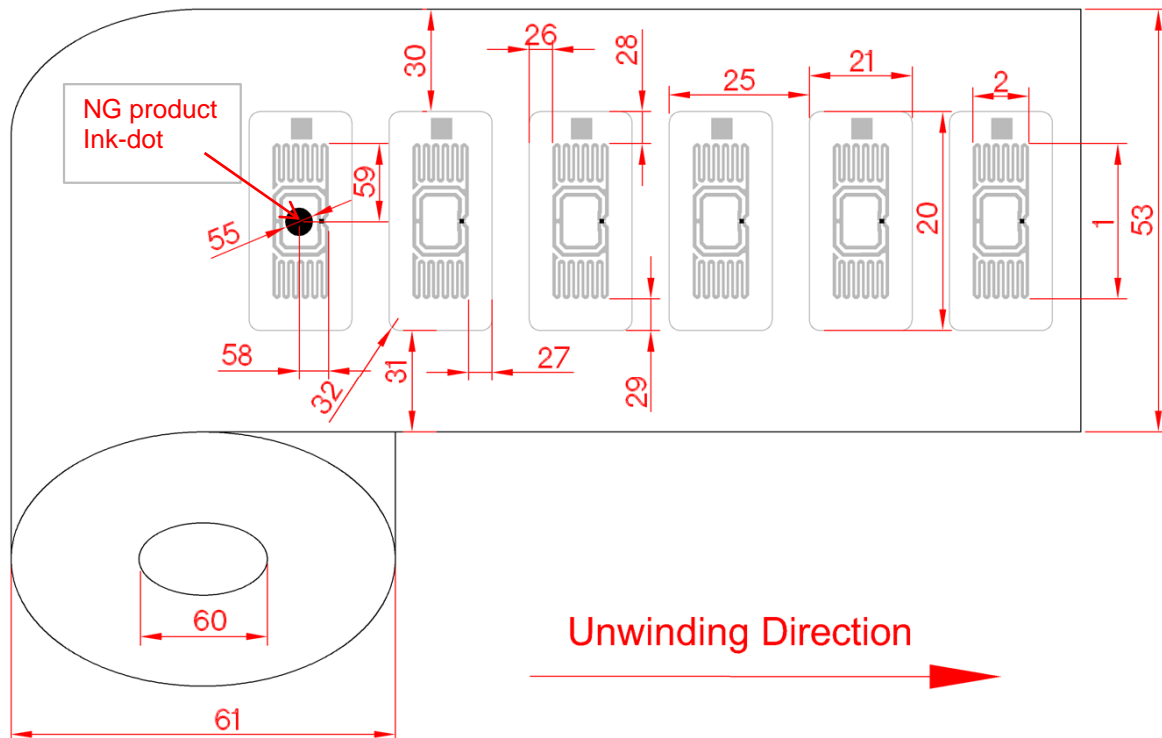


1. Performance Specifications

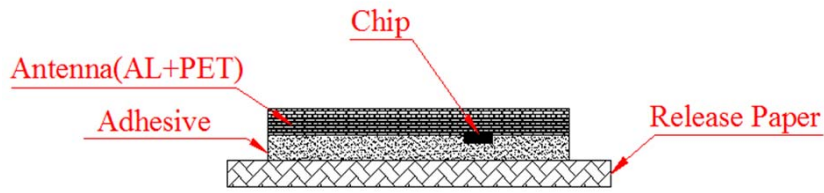
RFID Chip	Impinj/Monza 4E		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	48 bit TID, Up to 496 bit EPC, 128 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance	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
20	Wet inlay Width	31.00 mm	± 0.20 mm	1.220 in
21	Wet inlay Length	14.70 mm	± 0.50 mm	0.579 in
25	Wet inlay Pitch	20.00 mm	± 0.50 mm	0.787 in
26	Antenna to PET (Left)	3.35 mm	± 1.50 mm	0.132 in
27	Antenna to PET (Right)	3.35 mm	± 1.50 mm	0.132 in
28	Antenna to PET (Top)	4.50 mm	± 1.50 mm	0.177 in
29	Antenna to PET (Bottom)	4.50 mm	± 1.50 mm	0.177 in
30	Wet inlay Edge to Liner Edge (Top)	14.50 mm	± 2.00 mm	0.571 in
31	Wet inlay Edge to Liner Edge (Bottom)	14.50 mm	± 2.00 mm	0.571 in
32	Label Corner Radius	1.50 mm	± 0.20 mm	0.059 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)		



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	19g/m ² \pm 5g/m ²
Release Paper	White glassine paper	61g/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	> 50mm	

5. Delivery Details

Appearance	Single row reel form	
Quantity	10000 \pm 100 pcs/Roll; 4 Rolls/Carton	Based on the actual shipment quantity
Weight	To be determined	
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!