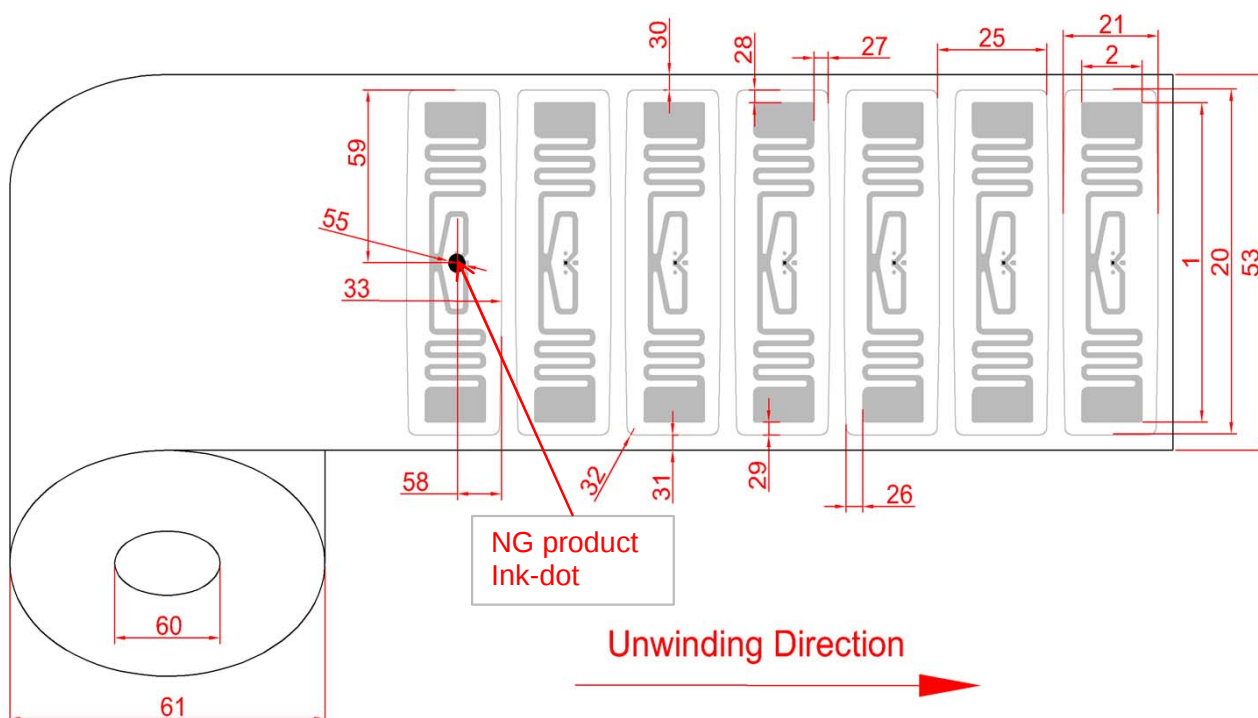


1. Performance Specifications

RFID Chip	Impinj/Monza 5	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48 bit TID, 128 bit EPC,32 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 6m (Reader and Environment Dependent)	

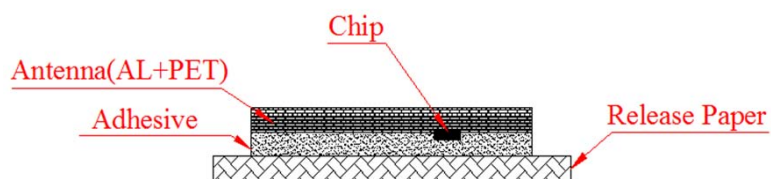
2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	68.00 mm	± 0.20 mm	2.677 in
2	Antenna Length	14.00 mm	± 0.20 mm	0.551 in
20	Wet inlay Width	73.50 mm	± 0.20 mm	2.894 in
21	Wet inlay Length	21.20 mm	± 0.50 mm	0.835 in
25	Wet inlay Pitch	25.40 mm	± 0.50 mm	1.000 in
26	Antenna to PET (Left)	3.10 mm	± 1.50 mm	0.122 in
27	Antenna to PET (Right)	3.10 mm	± 1.50 mm	0.122 in
28	Antenna to PET (Top)	2.75 mm	± 1.50 mm	0.108 in
29	Antenna to PET (Bottom)	2.75 mm	± 1.50 mm	0.108 in
30	Wet inlay Edge to Liner Edge (Top)	3.25 mm	± 2.00 mm	0.128 in
31	Wet inlay Edge to Liner Edge (Bottom)	3.25 mm	± 2.00 mm	0.128 in
32	Wet inlayCorner Radius	1.60 mm	± 0.20 mm	0.063 in
33	Wet inlay Long arc radius	1236.00 mm	± 1.00 mm	48.661 in
53	Liner Width	80.00 mm	± 1.00 mm	3.150 in
55	Ink-dot Size	4.00 mm	± 2.00 mm	0.157 in
58	Ink-dot to Product Edge(Right)	6.23 mm	± 2.00 mm	0.245 in
59	Ink-dot to Product Edge(Top)	34.00 mm	± 2.00 mm	1.339 in
60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in
61	Reel Outer diameter	≤210(Based on the actual shipment quantity)		





3. Clean wet inlay Structure



Antenna	Aluminum etching	PET: 50 μ m $\pm$ 3 μ m; AL: 10 μ m $\pm$ 3 μ m
Adhesive	Acrylic emulsion	19g/m ² $\pm$ 5g/m ²
Release Paper	White glassine paper	61g/m ² , 55 μ m $\pm$ 5 μ m

4. Environment Requirement

Operating Temperature/Humidity	-0 $\sim$ 60 $^{\circ}$ C / 20% $\sim$ 80% RH	
Storage Temperature/Humidity	20 $\sim$ 30 $^{\circ}$ C / 20% $\sim$ 60% RH	
Shelf Life	1 year in anti-static bag at 20 $\sim$ 30 $^{\circ}$ C / 20% $\sim$ 60% RH	
ESD Voltage Immunity	2 kV (HBM)	
Bending Diameter	> 50mm	

5. Delivery Details

Appearance	Single row reel form	
Quantity	5000 $\pm$ 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!

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