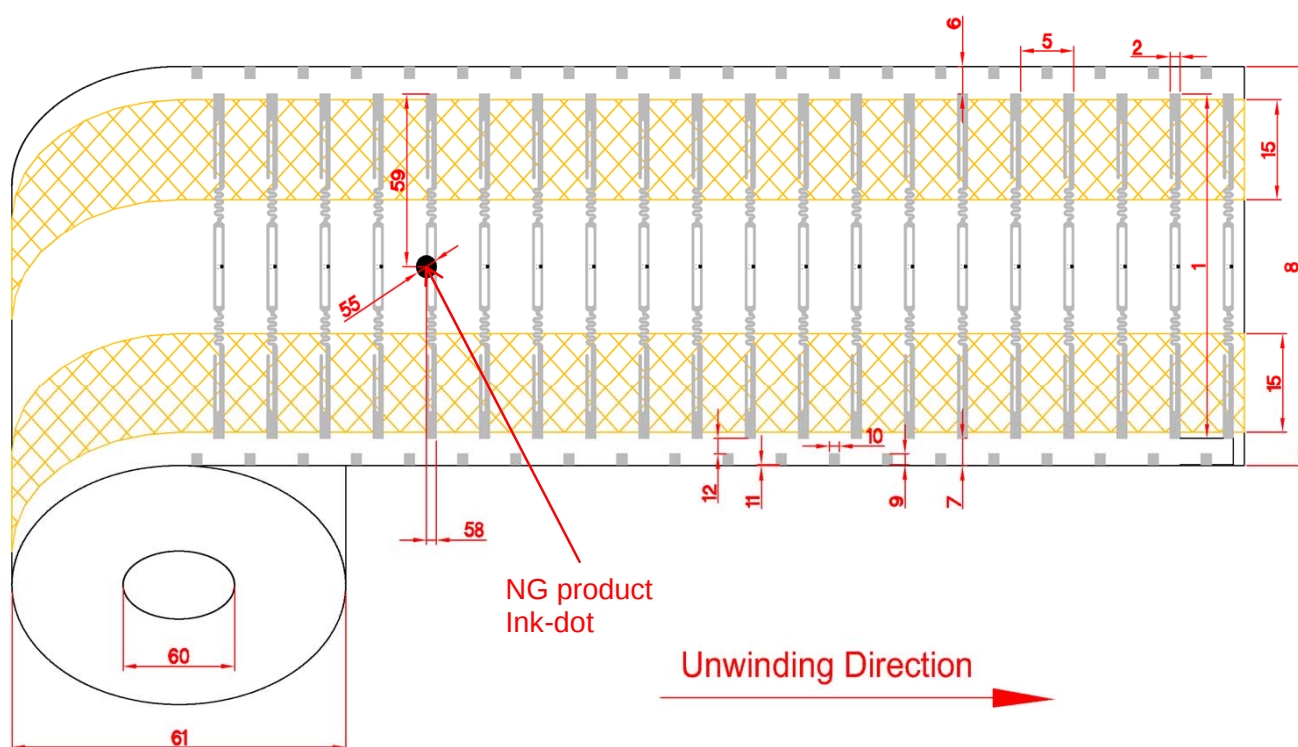


1. Performance Specifications

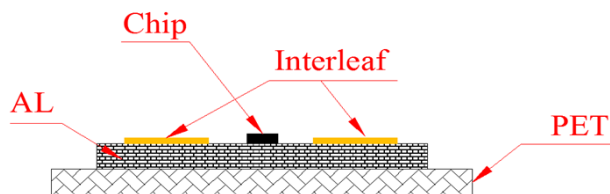
RFID Chip	NXP U Code 7	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48bit TID, 128 bit EPC, 0 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 4m (Reader and Environment Dependent)	

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	95.00 mm	± 0.20 mm	3.740 in
2	Antenna Length	3.00 mm	± 0.20 mm	0.118 in
5	Antenna Pitch	16.00 mm	± 0.50 mm	0.630 in
6	Antenna to PET (Top)	7.50 mm	± 1.00 mm	0.295 in
7	Antenna to PET (Bottom)	7.50 mm	± 1.00 mm	0.295 in
8	PET Width	110.00 mm	± 1.00 mm	4.331 in
9	Mark Width	3.00 mm	± 0.20 mm	0.118 in
10	Mark Length	3.00 mm	± 0.20 mm	0.118 in
11	Mark to PET (Bottom)	14.30 mm	± 0.20 mm	0.563 in
12	Mark to Antenna (Bottom)	14.30 mm	± 0.20 mm	0.563 in
15	Interleaf Width	25.00 mm	± 1.00 mm	0.984 in
55	Ink-dot Size	6.00 mm	± 2.00 mm	0.236 in
58	Ink-dot to Product Edge(Right)	3.00 mm	± 2.00 mm	0.118 in
59	Ink-dot to Product Edge(Top)	47.50 mm	± 2.00 mm	1.870 in
60	Core inner diameter	153.42 mm	± 1.00 mm	6.040 in
61	Reel Outer diameter	≤305(Based on the actual shipment quantity)		



3. Dry inlay Structure



Chip	Silicon	$120\mu\text{m} \pm 10\mu\text{m}$
Antenna AL	Aluminum etching	$10\mu\text{m} \pm 3\mu\text{m}$
Antenna PET	Transparent PET	$50\mu\text{m} \pm 3\mu\text{m}$
Interleaf	Kraft (Chip protected paper)	$50 \sim 60\mu\text{m}$

4. Environment Requirement

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

5. Delivery Details

Appearance	Single row reel form	
Quantity	15000 ± 300 pcs/Roll; 1 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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