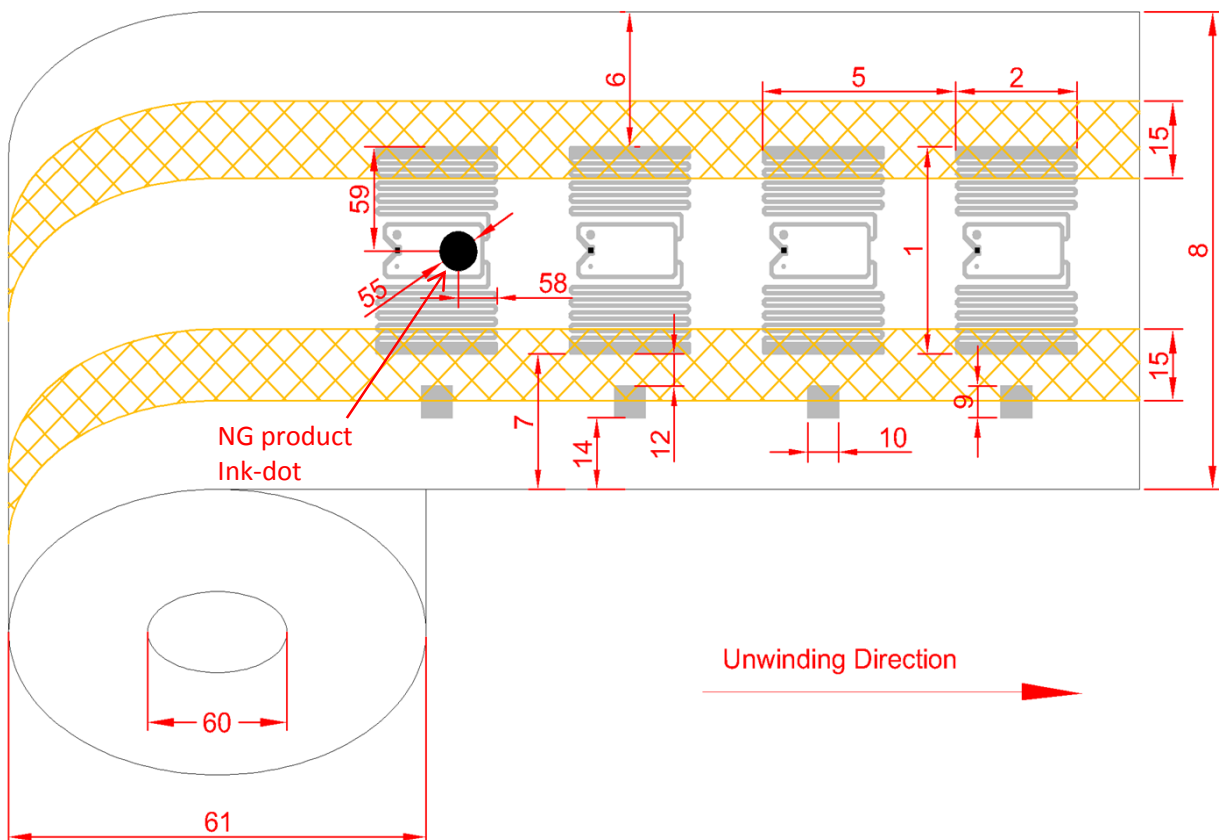


### 1. Performance Specifications

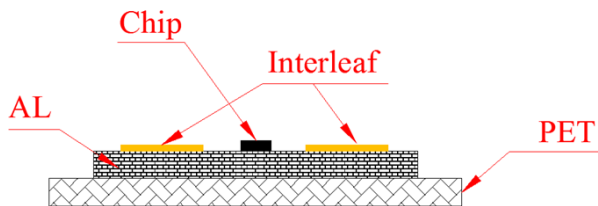
RFID Chip	NXP U Code 7	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48bit TID, 128bit EPC, 0 bit User Memory	32Bits Access,32Bits Kill
IC Life	100,000 Programming cycles, 50 years data retention	
Read distance	Average reading distance >2m (Reader and Environment Dependent)	

### 2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	26.00 mm	± 0.20 mm	1.024 in
2	Antenna Length	16.00 mm	± 0.20 mm	0.630 in
5	Antenna Pitch	25.40 mm	± 0.50 mm	1.000 in
6	Antenna to PET (Top)	17.00 mm	± 1.00 mm	0.669 in
7	Antenna to PET (Bottom)	17.00 mm	± 1.00 mm	0.669 in
8	PET Width	60.00 mm	± 1.00 mm	2.362 in
9	Mark Width	4.00 mm	± 0.20 mm	0.157 in
10	Mark Length	4.00 mm	± 0.20 mm	0.157 in
12	Antenna (Bottom) to Mark (Top)	4.00 mm	± 0.20 mm	0.157 in
14	Mark Edge to PET Edge (Bottom)	9.00 mm	± 1.00 mm	0.354 in
15	Interleaf Width	15.00 mm	± 1.00 mm	0.591 in
55	Ink-dot Size	6.00 mm	± 2.00 mm	0.236 in
58	Ink-dot to Product Edge(Right)	5.10 mm	± 2.00 mm	0.201 in
59	Ink-dot to Product Edge(Top)	13.00 mm	± 5.00 mm	0.512 in
60	Core inner diameter	153.42 mm	± 1.00 mm	6.040 in
61	Reel Outer diameter	≤ 305 mm(Based on the actual shipment quantity)		



### 3. Dry inlay Structure



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

### 4. Environment Requirement

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

### 5. Delivery Details

Appearance	Single row reel form	
Quantity	12500 $\pm$ 300 pcs/Roll; 2 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!