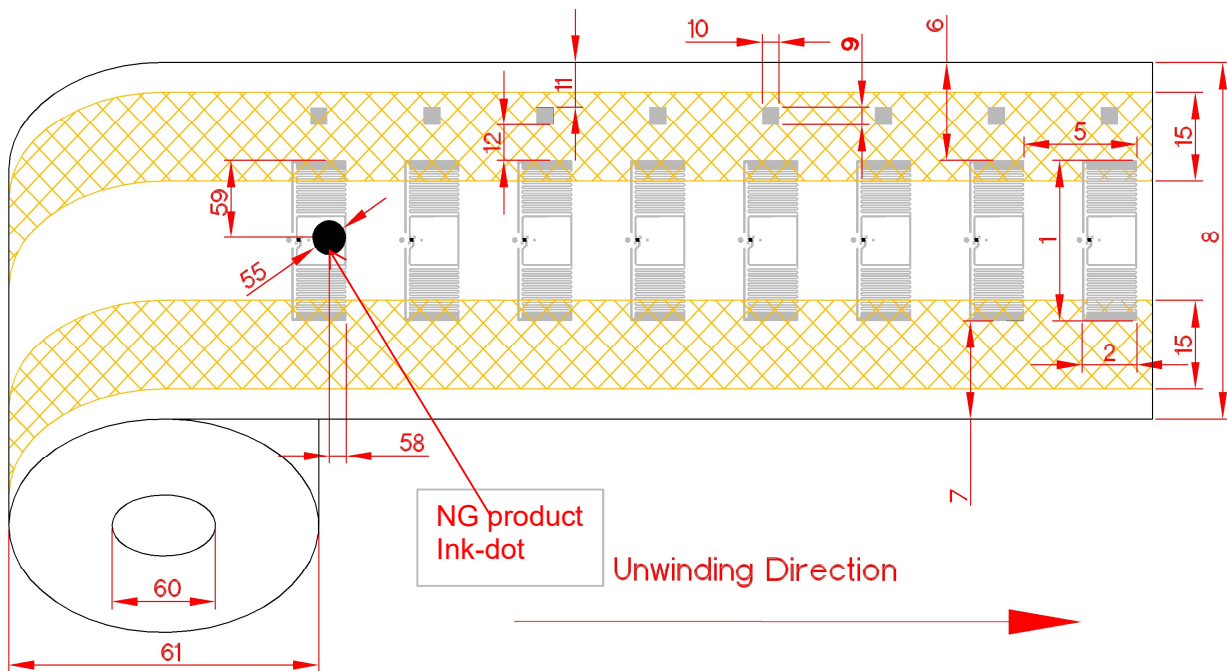


**1. Performance Specifications**

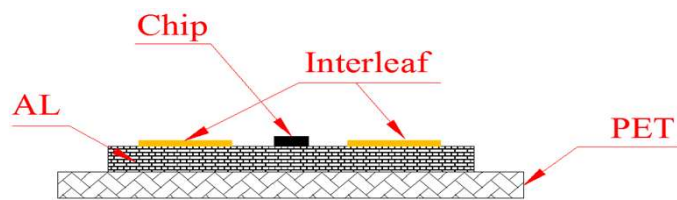
RFID Chip	Alien H3		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance	Average reading distance > 2m (Reader and Environment Dependent)		

**2. Mechanical Dimensions**

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	27.00 mm	± 0.20 mm	1.063 in
2	Antenna Length	9.70 mm	± 0.20 mm	0.382 in
5	Antenna Pitch	20.00 mm	± 0.50 mm	0.787 in
6	Antenna to PET (Top)	16.50 mm	± 1.00 mm	0.650 in
7	Antenna to PET (Bottom)	16.50 mm	± 1.00 mm	0.650 in
8	PET Width	60.00 mm	± 1.00 mm	2.362 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 (Top)	6.00 mm	± 0.20 mm	0.236 in
12	Mark to PET (Top)	7.50 mm	± 0.20 mm	0.295 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)	3.00 mm	± 2.00 mm	0.118 in
59	Ink-dot to Product Edge(Top)	13.00 mm	± 2.00 mm	0.512 in
60	Core inner diameter	152.40 mm	± 1.00 mm	6.000 in
61	Reel Outer diameter	Based on the actual shipment quantity		



### 3. Dry inlay Structure



Chip	Silicon	150 $\mu$ 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	15000 $\pm$ 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!**