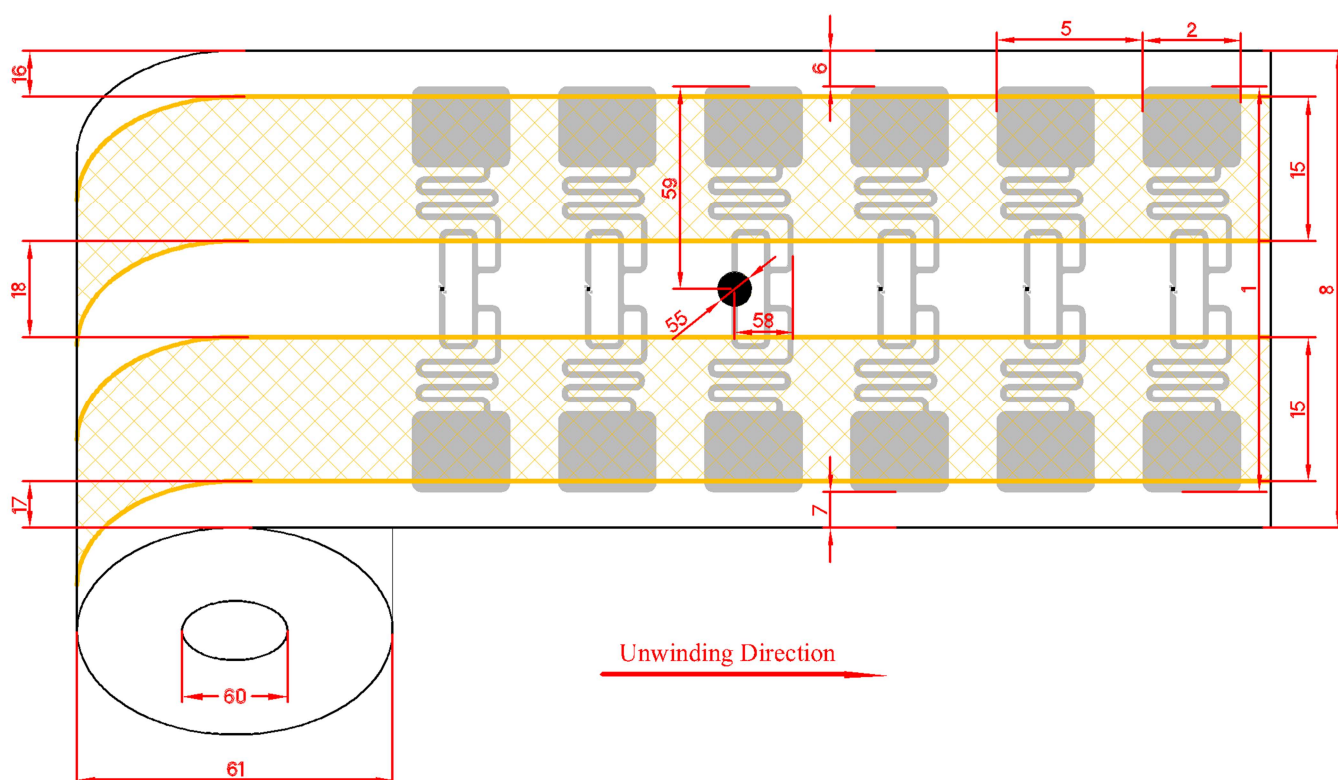


1. Performance Specifications

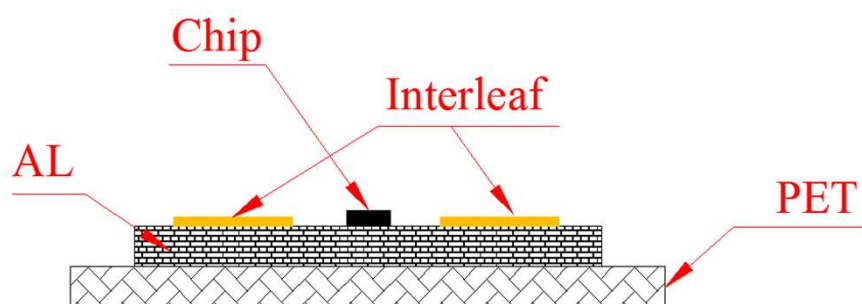
RFID Chip	Alien H3	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	64 bit TID, 96 bit EPC, 512 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 4m (Reader and Environment Dependent)	

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	70.00 mm	± 0.20 mm	2.756 in
2	Antenna Length	17.00 mm	± 0.20 mm	0.669 in
5	Antenna Pitch	25.40 mm	± 0.50 mm	1.000 in
6	Antenna to PET (Top)	6.25 mm	± 1.00 mm	0.246 in
7	Antenna to PET (Bottom)	6.25 mm	± 1.00 mm	0.246 in
8	PET Width	80.00 mm	± 1.00 mm	3.150 in
15	Interleaf Width	25.00 mm	± 0.50 mm	0.984 in
16	Interleaf (Top) to PET (Top)	> 4 mm		
17	Interleaf (Bottom) to PET (Bottom)	> 4 mm		
18	Interleaf to Interleaf	> 8 mm		
55	Ink-dot Size	6.00 mm	± 2.00 mm	0.236 in
58	Ink-dot to Product Edge(Right)	10.00 mm	± 2.00 mm	0.394 in
59	Ink-dot to Product Edge(Top)	35.00 mm	± 2.00 mm	1.378 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	$150\mu\text{m} \pm 10\mu\text{m}$
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	12000 ± 100 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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