

# UHF Dry inlay

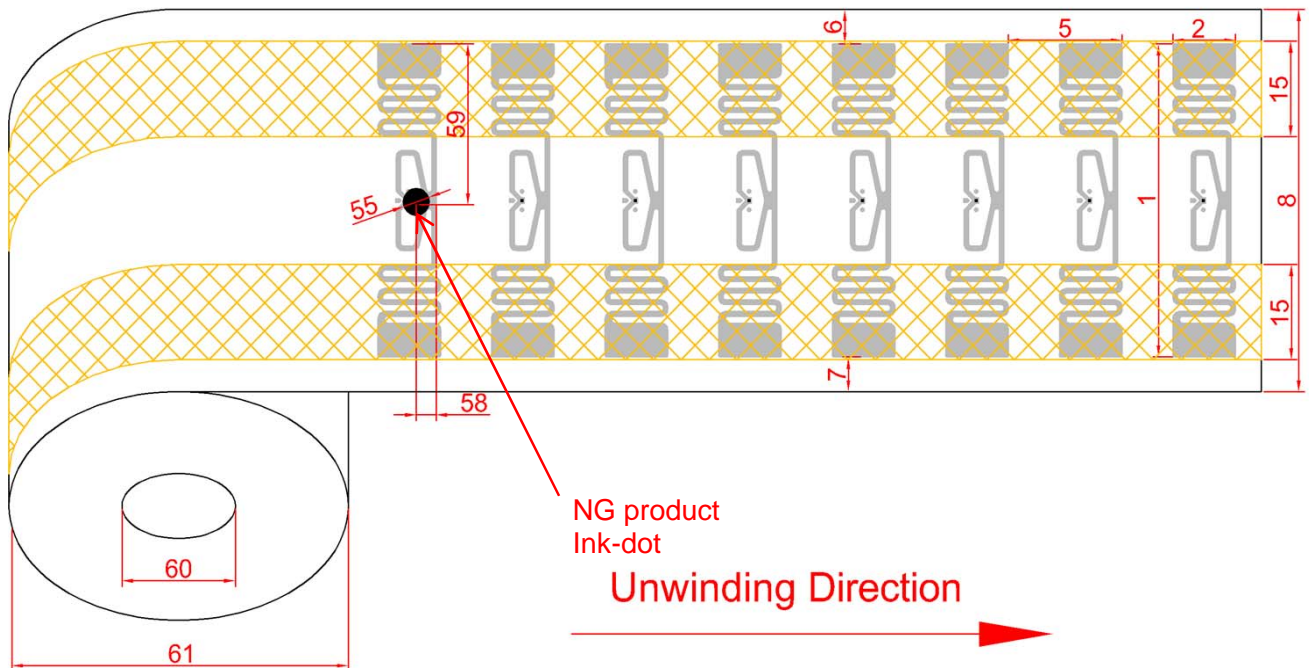
(Item : AN068014A1U-E52)

## 1. Performance Specifications

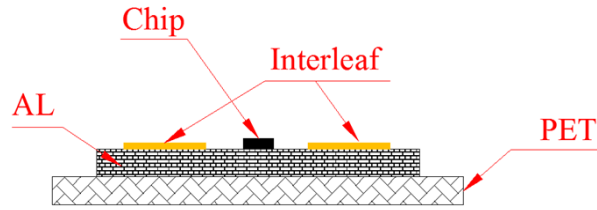
RFID Chip	Impinj/Monza 5		
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2		
Operating Frequency	860~960MHz		
Operating Mode	Passive(Battery free)		
Memory	48 bit TID, 128 bit EPC, 32 bit User Memory	32Bits Access, 32Bits Kill	
IC Life	100,000 Programming cycles, 10 years data retention		
Read distance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

## 2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	14.00 mm	± 0.20 mm	0.551 in
2	Antenna Length	68.00 mm	± 0.20 mm	2.677 in
5	Antenna Pitch	25.40 mm	± 0.50 mm	1.000 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	83.00 mm	± 1.00 mm	3.268 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)	4.23 mm	± 1.00 mm	0.167 in
59	Ink-dot to Product Edge(Top)	34.00 mm	± 1.00 mm	1.339 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	100 $\mu$ 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 $\sim$ 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	12,500 $\pm$ 300pcs/roll; 1roll/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!