

UHF Dry inlay

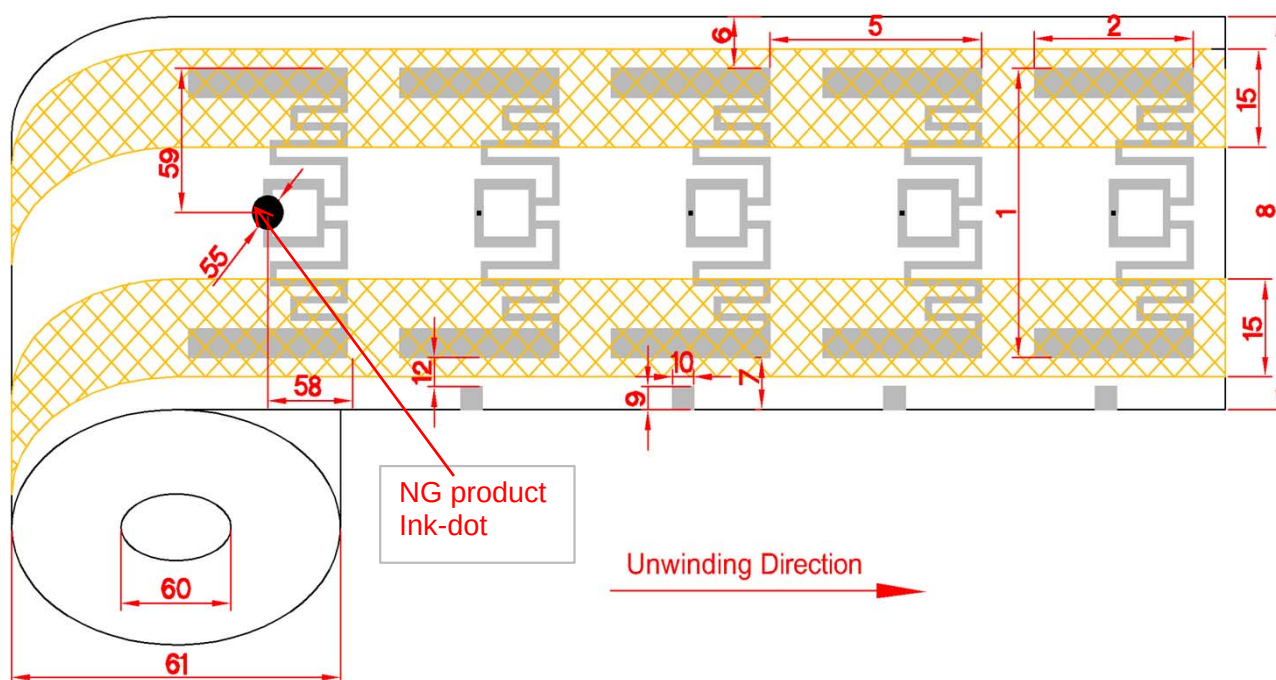
(Item : AN050030E3U-HR61)

1. Performance Specifications

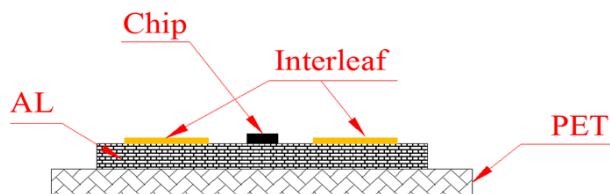
RFID Chip	Impinj/Monza R6	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48bit TID, Up to 96 bit EPC, 0 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 3m (Reader and Environment Dependent)	

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
1	Antenna Width	50.00 mm	± 0.20 mm	1.969 in
2	Antenna Length	30.00 mm	± 0.20 mm	1.181 in
5	Antenna Pitch	40.00 mm	± 0.50 mm	1.575 in
6	Antenna to PET (Top)	9.00 mm	± 1.00 mm	0.354 in
7	Antenna to PET (Bottom)	9.00 mm	± 1.00 mm	0.354 in
8	PET Width	68.00 mm	± 1.00 mm	2.677 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	Mark to Antenna (Bottom)	4.85 mm	± 0.20 mm	0.191 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)	25.00 mm	± 2.00 mm	0.984 in
59	Ink-dot to Product Edge(Top)	25.00 mm	± 2.00 mm	0.984 in
60	Core inner diameter	153.42 mm	± 1.00 mm	6.040 in
61	Reel Outer diameter	Based on the actual shipment quantity		



3. Dry inlay Structure



Chip	Silicon	$110\mu\text{m} \pm 10\mu\text{m}$
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	8000 ± 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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