UHF Dry inlay

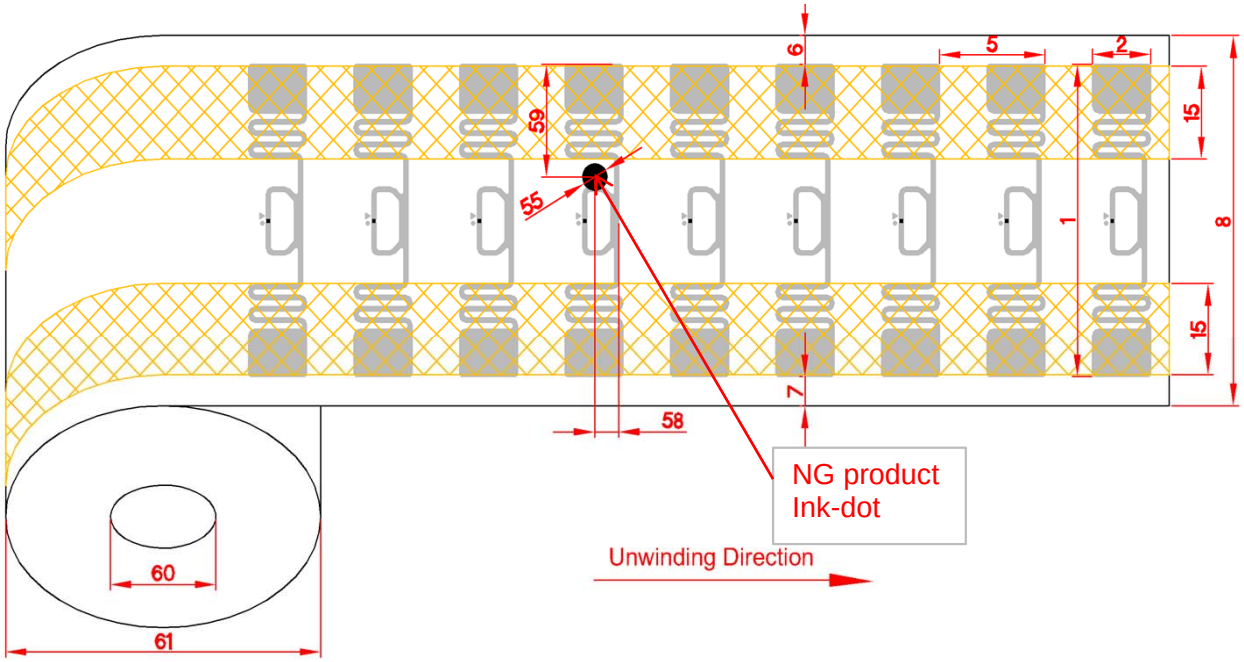
(Item : AN070014E1U-ER62)

1. Performance Specifcations

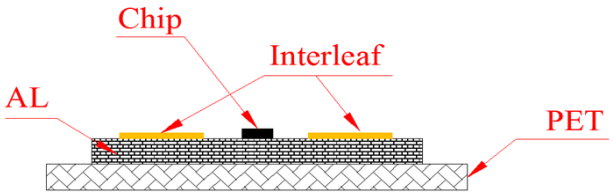
RFID Chip	Impinj/Monza R6	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	48bit TID, Up to 96 bit EPC, 0 bit User Memory	32Bits Access, 32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance > 6m (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	14.00 mm	± 0.20 mm	0.551 in
5	Antenna Pitch	25.40 mm	± 0.50 mm	1.000 in
6	Antenna to PET (Top)	6.50 mm	± 1.00 mm	0.256 in
7	Antenna to PET (Bottom)	6.50 mm	± 1.00 mm	0.256 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)	6.00 mm	± 2.00 mm	0.236 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	≤295(Based on the actual shipment quantity)		



3. Dry inlay Structure



Chip	Silicon	110μm ± 10μm
Antenna AL	Aluminum etching	10μm ± 3μm
Antenna PET	Transparent PET	50μm ± 3μm
Interleaf	Kraft (Chip protected paper)	50 ~ 60μm

4. Environment Requirement

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

5. Delivery Details

Appearance	Single row reel form	
Quantity	12500 ± 300 pcs/Roll； 1 Rolls/Carton	Based on the actual shipment quantity
Weight	To be determined	
Final inspection	100 %, known faulty ones marked	
Delivery yield	≥ 99%	
Packaging Photograph		

AllGood-Group reserves the right for modifying the specification data without notice in advance!