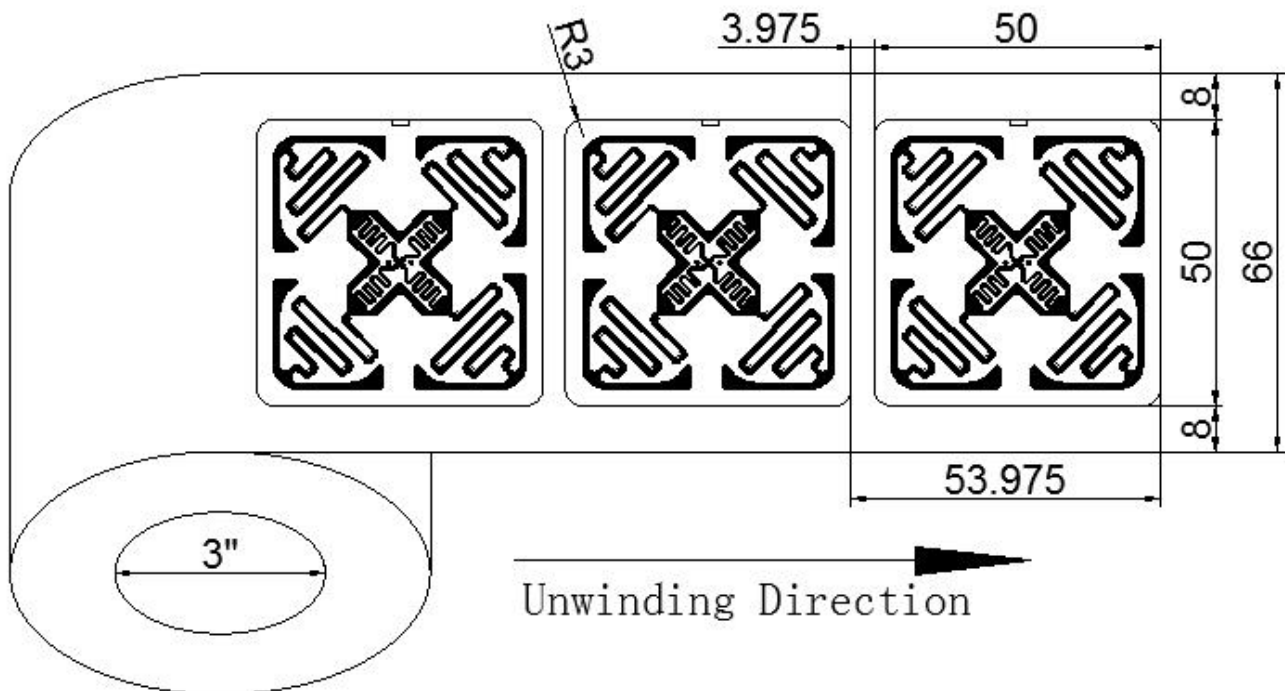


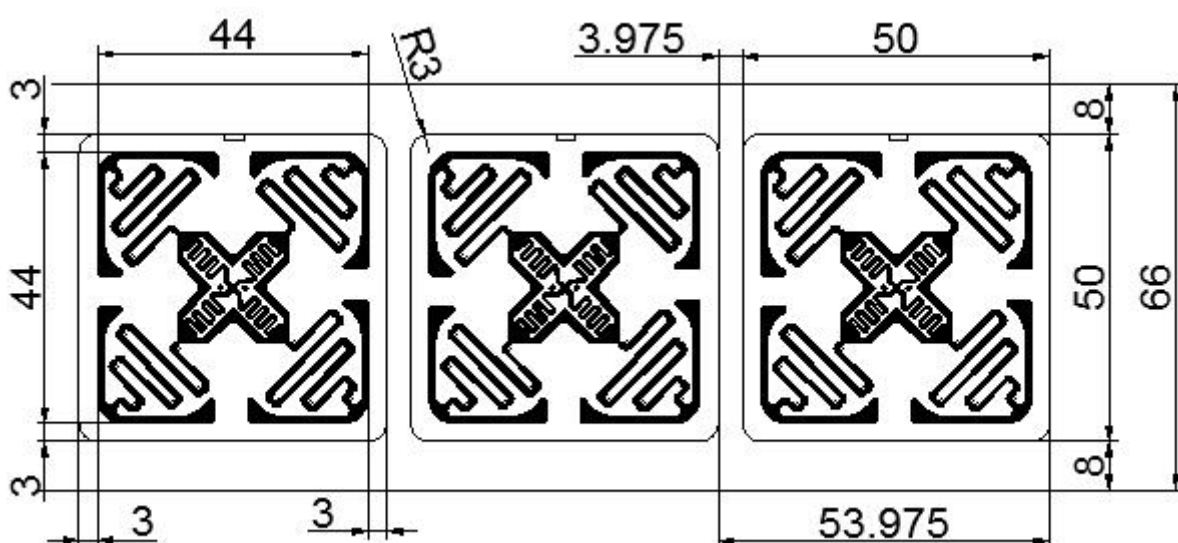
PN/Revision	50x50mm UHF Adhesive label H47+M4QT Dry Inlay	Page
/A0		1 / 4

1. Mechanical Characteristics

1.1 Appearance



1.2 Dimensions

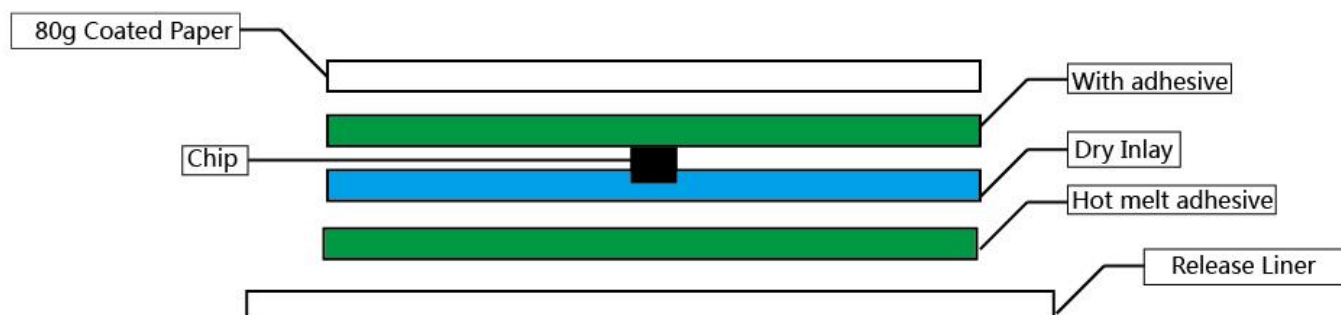


PN/Revision	50x50mm UHF Adhesive label	Page
/A0	H47+M4QT Dry Inlay	2 / 4

1.3 Dimensions Deviation

No.	Item	Parameters mm
1	Inlay Length	44±0.20
2	Inlay Width	44±0.20
3	Inlay right to label right	3±1.0
4	Inlay left to label left	3±1.0
5	Label Length	50±0.5
6	Label Width	50±0.5
7	Label Corner Radius	R=3±0.5
8	Label Edge to Liner Edge (Top)	8±1.0
9	Label Edge to Liner Edge (Bottom)	8±1.0
10	Label Pitch	53.975±0.5
11	Label Gap	3.975±0.5
12	Liner Width	66±1.0
13	Core ID	3inch(76.20±0.50)
14	Roll OD	≤ 219
15	Inlay Top to Label Top	3±1.0
16	Inlay Edge to Label Edge (Bottom)	3±1.0
17	Antenna Length	44±0.2
18	Antenna Width	44±0.2

1.4 Structure



PN/Revision	50x50mm UHF Adhesive label	Page
/A0	H47+M4QT Dry Inlay	3 / 4

2. Electrical Characteristics

Item		Description	Remarks
Manufacture / Chip		Impinj Monza 4QT	
Base Material		PET(50um)	
Antenna		Etched Aluminum (10um) + PET (50um)	
Protocol		ISO/IEC 18000-6C EPC Class1 Gen2	
Memory	EPC	128 Bits	Read & Write
	TID	96 Bits	Read Only
	Password	Access - 32Bits, Kill - 32Bits	Read & Write
	User	512 Bits	Read & Write
Frequency		860~960MHz	
Operating Mode		Passive	
IC Life		100,000 Programming cycles, 50years data	
ESD Voltage Immunity		Max 2000V	Human being mode(HBM)

3. Environmental Requirement

Temperature/Humidity for Label Attaching: [10℃ to 40℃] 20% to 80%RH

Temperature/Humidity after Label Attached to the Products: [-20℃to +50℃] 20% to 80%RH
 (Environmental requirements of adhesive may vary on different materials).

Shelf Life: From the date of manufacture, 1 year at 23±5℃ / 50%±10%RH), sealed in the vacuum bag and avoid direct sunlight exposure.

Disclaimer: Our recommendations are based on our latest knowledge and experience. We reserve all rights for final explanation.

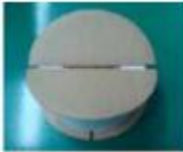
4. Handling Precautions

4.1 Keep away from water and collision. DO NOT BEND.

4.2 Special requirement: NONE

PN/Revision	50x50mm UHF Adhesive label	Page
/A0	H47+M4QT Dry Inlay	4 / 4

5. Packaging

1	Shipping format	1. Roll 2.Vacuumed packing in ESD bag
2	Quantity	2500±2Pcs/roll
3	Packaging method	8 rolls/ctn (Actual Qty as per Shipping Mark)
4	Packaging pictures	   
5	Special requirement	The carton was sealed without gaps

Revision History

Item Number			
Revision History			
Date	Person	Version	Modification
2024.05.21	Laizhanshe	A	First Release