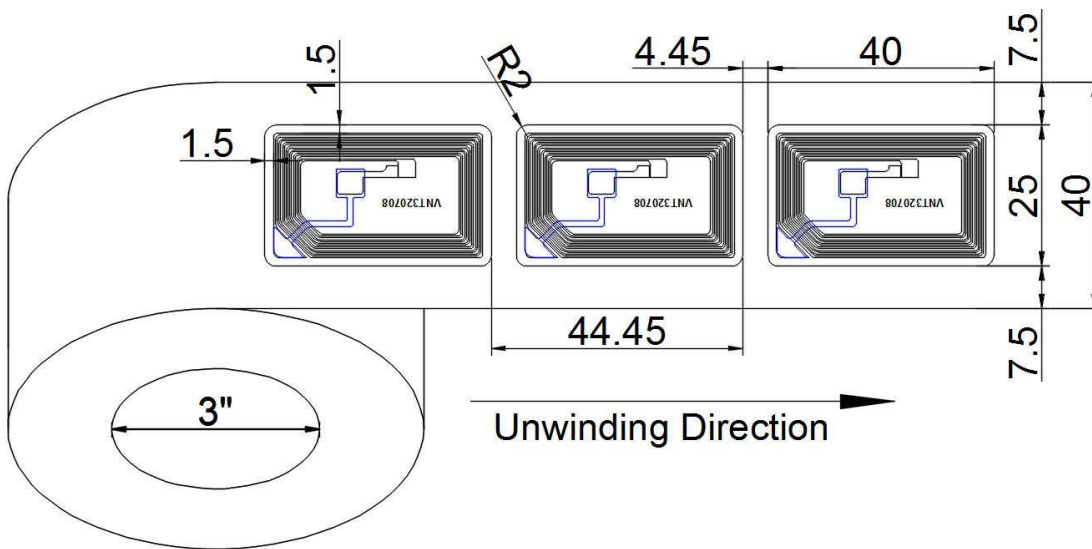


Fragile HF RFID Label Model 40x25mm. (Ntag 213)

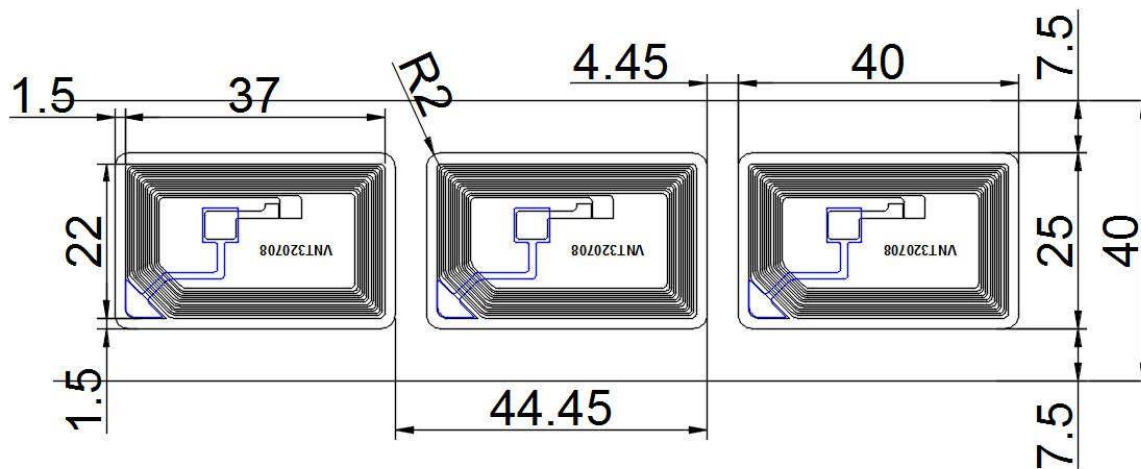


1. Mechanical Characteristics

1.1 Appearance



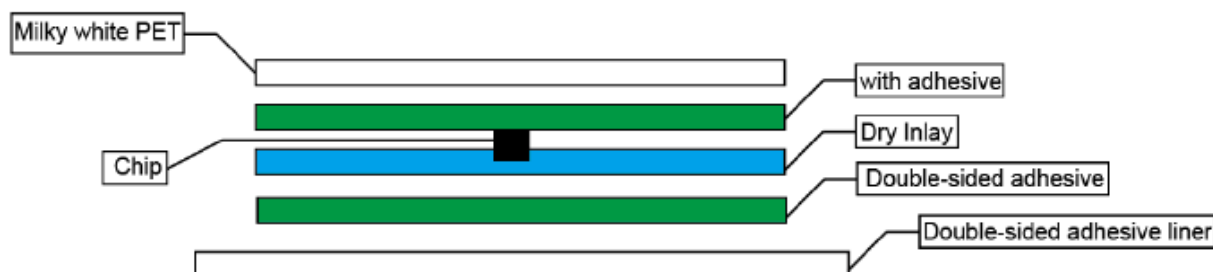
1.2 Dimensions



1.3 Dimensions Deviation

No.	Item	Parameters (mm)
1	Inlay Length	37±0.20
2	Inlay Width	22±0.20
3	Inlay right to label right	1.5±1.0
4	Inlay left to label left	1.5±1.0
5	Label Length	40±0.5
6	Label Width	25±0.5
7	Label Corner Radius	R=2±0.5
8	Label Edge to Liner Edge (Top)	7.5±1.0
9	Label Edge to Liner Edge (Bottom)	7.5±1.0
10	Label Pitch	44.45±0.5
11	Label Gap	4.45±0.5
12	Liner Width	40±1.0
13	Core ID	3 inch (76.20±0.50)
14	Roll OD	≤225
15	Inlay Top to Label Top	1.5±1.0
16	Inlay Edge to Label Edge (Bottom)	1.5±1.0
17	Antenna Length	37±0.2
18	Antenna Width	22±0.2

1.4 Structure



2. Electrical Characteristics

Item		Description	Remarks
Manufacture / Chip		NXP NTAG213	
Base Material		PET(50um)	
Antenna		Etched Aluminum (10um) + PET (38um) + Etched Aluminum (30um)	
Protocol		ISO/IEC 14443 Type A NFC Forum Type 2 Tag	
Memory	UID	7 Bytes	Read Only
	Total Memory	180 Bytes	Read & Write
	User Memory	144 Bytes	Read & Write
	Password	4 Bytes	Write Only
Frequency		13.56 MHz	
Operating Mode		Passive	
IC Life		100,000 Programming cycles, 10 years data	
ESD Voltage Immunity		Max 2000V	Human being mode (HBM)

3. Environmental Requirement

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

Temperature/Humidity after Label Attached to the Products : [-20°C to +50°C] 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°C / 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

5. Packaging

1	Shipping format	1. Roll 2. Vacuumed packing in ESD bag
2	Quantity	2500±2Pcs/roll
3	Packaging method	12 rolls/ctn (Actual Qty as per Shipping Mark)
4	Packaging pictures	
5	Special requirement	The carton was sealed without gaps