

UHF Adhesive Label

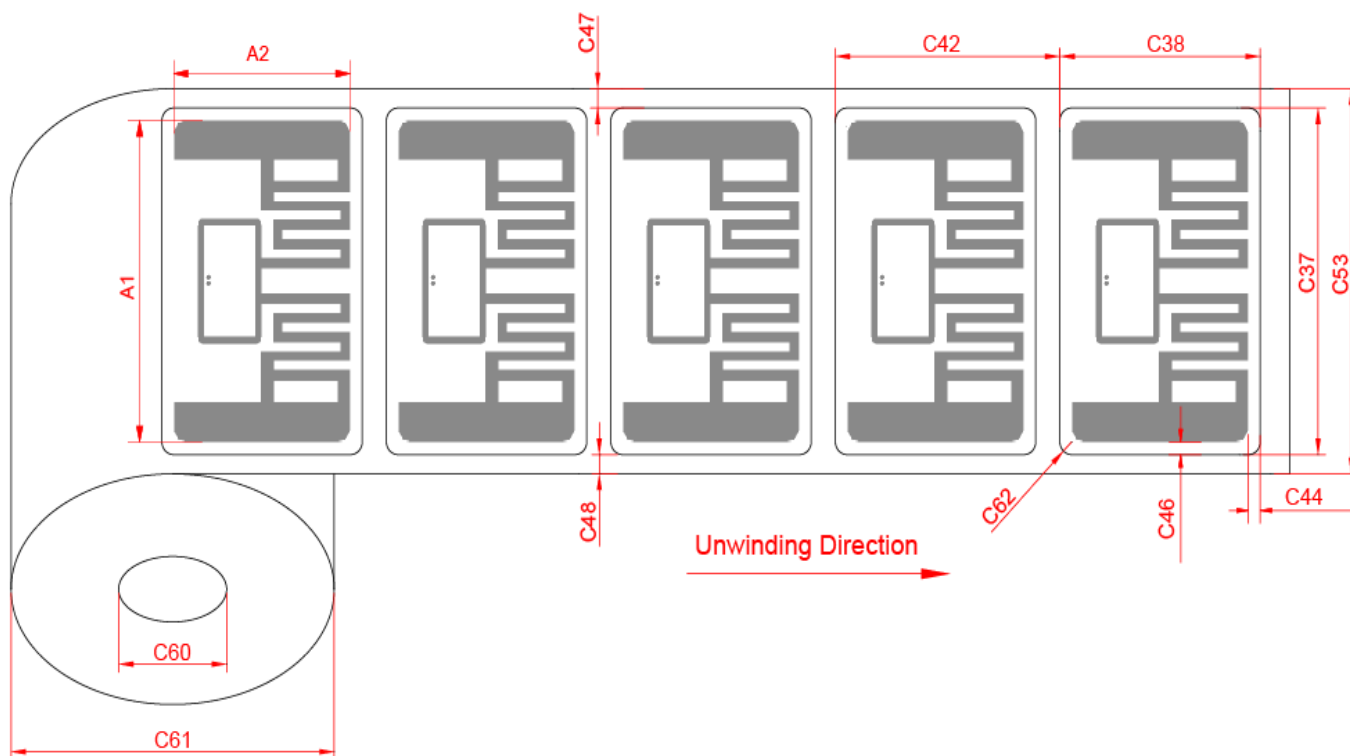
(Model: L0540343701U)

1. Performance Specifications

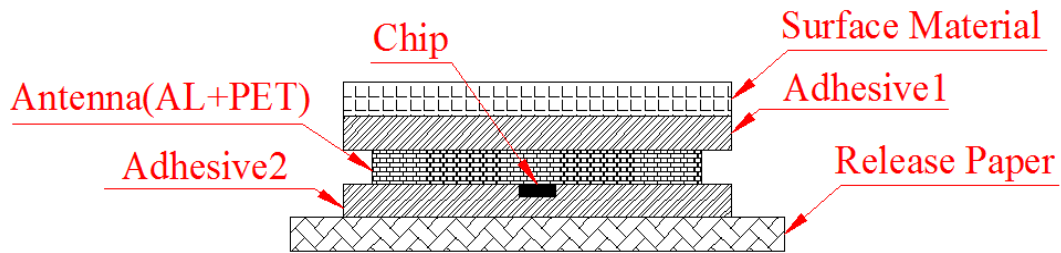
RFID Chip	FM13UF0051E	
Protocol	ISO/IEC 18000-6C, EPCglobal Class 1 Gen 2	
Operating Frequency	860~960MHz	
Operating Mode	Passive(Battery free)	
Memory	96 bit TID, 128 bit EPC, 32 bit User Memory	32Bits Access&32Bits Kill
IC Life	100,000 Programming cycles, 10 years data retention	
Read distance	Average reading distance: 5m (Reader and Environment Dependent)	

2. Mechanical Dimensions

NO.	Item	Parameter(mm)	Tolerance	Parameter(in.)
A1	Antenna Width	50.00 mm	± 0.20 mm	1.969 in.
A2	Antenna Length	30.00 mm	± 0.20 mm	1.181 in.
C37	Label Width	54.00 mm	± 0.20 mm	2.126 in.
C38	Label Length	34.00 mm	± 0.50 mm	1.339 in.
C42	Label Pitch	38.10 mm	± 1.00 mm	1.500 in.
C44	Antenna Edge to Label Edge (Right)	2.00 mm	± 1.00 mm	0.079 in.
C46	Antenna Edge to Label Edge (Bottom)	2.00 mm	± 1.00 mm	0.079 in.
C47	Label Edge to Liner Edge (Top)	3.00 mm	± 1.50 mm	0.118 in.
C48	Label Edge to Liner Edge (Bottom)	3.00 mm	± 1.50 mm	0.118 in.
C53	Liner Width	60.00 mm	± 1.00 mm	2.362 in.
C60	Core inner diameter	76.20 mm	± 1.00 mm	3.000 in.
C61	Reel Outer diameter	≤ 203mm (Based on the actual shipment quantity)		
C62	Label Corner Radius	2.00 mm	± 0.20 mm	0.079 in.

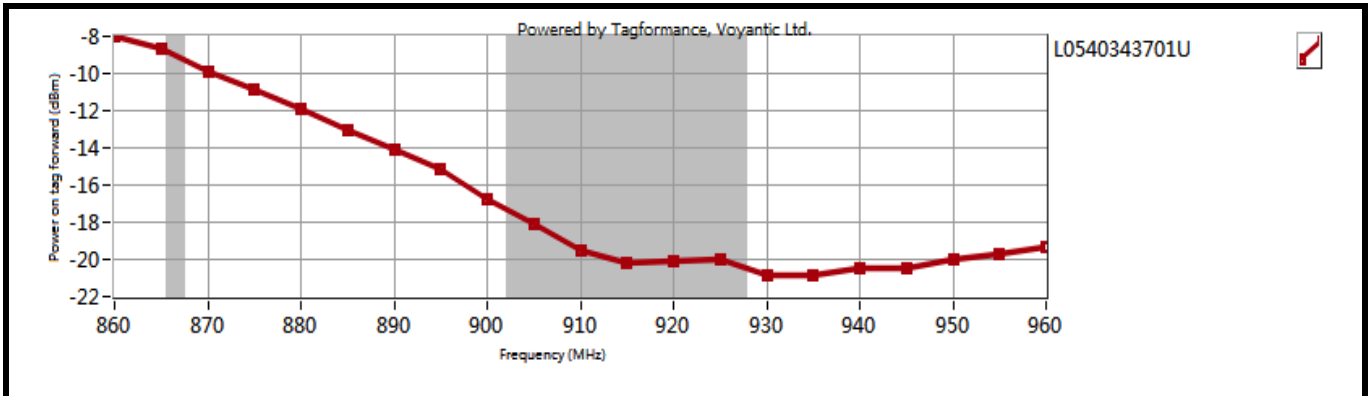


3. Label Structure



Surface Material	White Art paper	80g/m ² ± 10%, 72μm ± 10%
Adhesive 1	Acrylic emulsion	16g/m ² ± 5g/m ²
Antenna	Aluminum etching	AL + PET (10μm + 50μm)
Adhesive 2	Acrylic emulsion	16g/m ² ± 5g/m ²
Release Paper	White glassine paper	60g/m ² ± 10%, 55μm ± 10%

4. RF Performance



5. 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	

6. Delivery Details

Appearance	Single row reel form	
Quantity	2000 ± 10 pcs/Roll; 4 Rolls/Carton	445x445x135mm
Weight	To be determined	
Final inspection	100 %, known faulty ones marked	
Delivery yield	≥ 99%	

Packaging
Photograph



Xingeshan reserves the right for modifying the specification data without notice in advance!

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