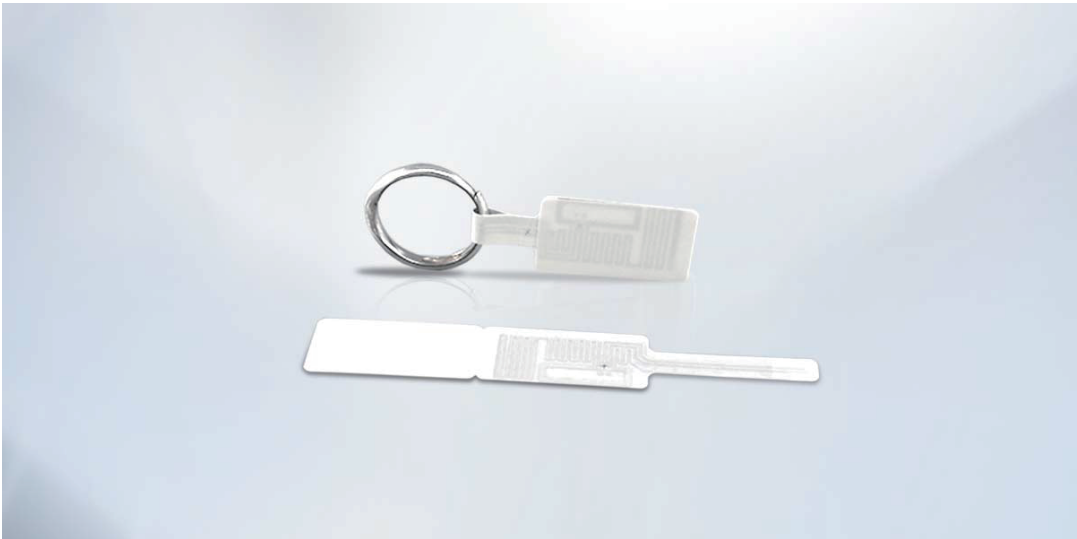


84×15mm UCODE® G2iL+ RFID UHF Tamper Detection Jewelry Label



1. Product Overview

The 84×15mm RFID UHF Jewelry Label integrates the NXP UCODE® G2iL+ chip with tamper detection functionality, offering reliable performance for high-value item tracking and theft deterrence. With fast read rates, long read range, and support for EPCglobal v1.2.0 standards, it ensures secure and efficient inventory management across jewelry retail and luxury goods sectors.

Designed with a tamper-evident structure, the label disables the RFID function when removed or broken—adding a layer of protection against unauthorized replacement or misuse. Its slim profile fits seamlessly around small items like rings, necklaces, and watches, enabling discreet, secure, and elegant tagging.

2. Product Parameters

2.1 Physical Characteristics

SKU	DS-AZL-G2iLP-TDPET-8415
Material	Waterproof PET
Size	84×15mm
Antenna Size	51.2×12.3mm

Key Features

Frequency Band	UHF 860-960 MHz
Chip	NXP UCODE®G2iL+
International Standard	ISO/IEC 18000-6C, EPC Class1 Gen2
EPC Memory	128 bits
TID Memory	64 bits
Read Range	≥1.5M (Fixed readers)
Product Attribute	Disposable, Prevent Heat Transfer, Chemical Transfer, Knife Transfer



2.2 Technical Parameters

Operating Frequency	860-960 MHz
Communication Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Operating Mode	Passive

2.3 Chip Characteristics

Chip Manufacturer	NXP®
Chip Type	UCODE®G2iL+
Data Retention	20 years
EPC Memory	128 bits
TID Memory	64 bits
Write Endurance	10,000 times
Kill/Access Password	32 bits
Integrated Product Status Flag (PSF)	Support
READ Protection	Support
Write Lock	Support
Tag Tamper Alarm	Support
Anti-Collision Function	Support
Digital Switch	Support
Data Transfer Mode	Support
Real Read Range Reduction (Privacy Mode)	Support
READ & WRITE Range	-27 dBm (External supply mode)

2.4 Additional Information

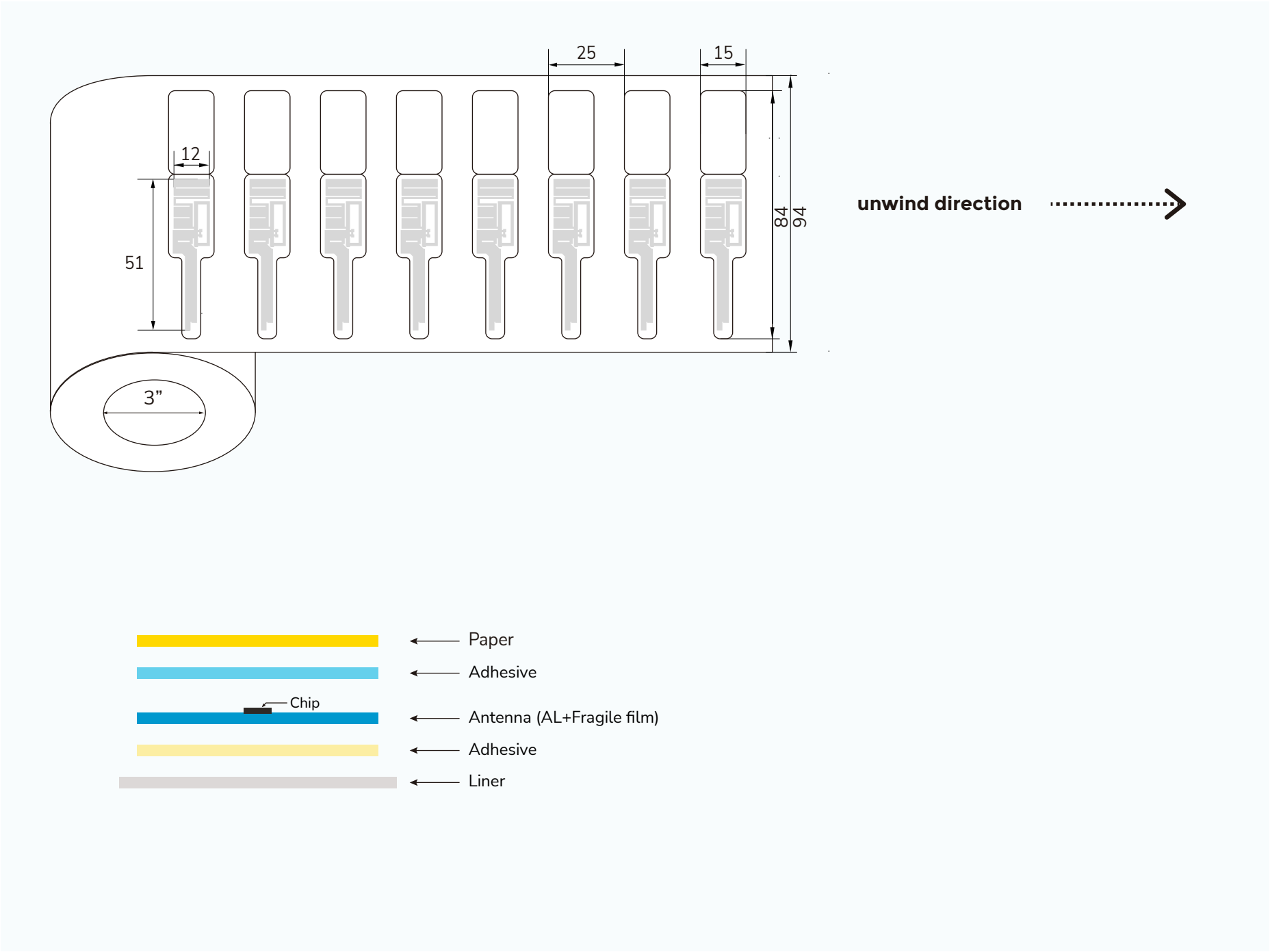
Operating Environment	-20°C~+50°C, 20%~80% RH
Storage Environment	+18°C~+28°C, 40%~60% RH
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

2.5 Packaging

Packing Format	Packed in roll, vacuumed packing in ESD bag
Roll OD	Max.210 mm
Core ID	3 inch/76.2 mm
Packing Quantity	1000 Pcs/roll



3. Label Dimensions



4. Testing Graphs

4.1 Reference of Graphic Performance

