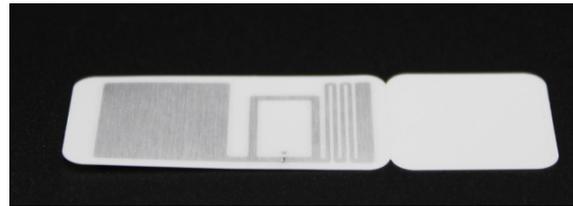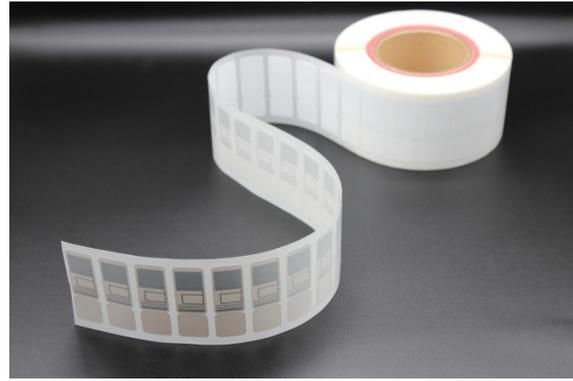# FOLD

UHF Metal Label

FOLD is a UHF tag with a unique design used in tracking diverse assets such as metallic cans, aluminum foil pouches or other semi-metallic assets in indoor environment.

It comes with standard or custom adhesive for different applications.

Logo or text can be printed on top of the tag.

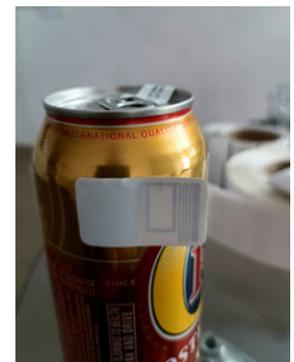It can be custom produced in different sizes as per customer requirement.

Wavelinx
Identify Innovate & Inspire

100% read-tested tags with industry best NXP UCode U9/M730 chip. These tags can be customized with customer branding using digital printing.

RECOMMENDED APPLICATIONS

Item-level Tracking

Fold is an excellent low-cost designed tag to be easily applied on any metallic assets. It comes in self-adhesive form for easy application. Through RFID scanning, information can be received quickly and from a safe distance. WL99U is the optimal solution for your general metal assets such as aluminium cans, bottles or metal pouches.

Other Applications:
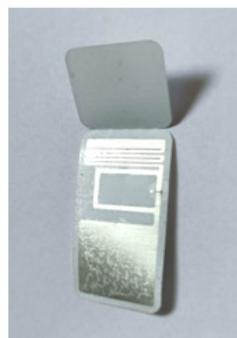Supply chain, inventory management, logistics.

Specifications

Part no.:	WL99U
Operating Frequency :	840-960 MHz (GLOBAL)
Operating Mode :	Passive (battery-less transponder)
Read Range :	up to 5m*
Protocol :	ISO/IEC 18000-6C
Chip Type :	NXP UCode U9/M730 EPC Class 1 Gen 2
Memory :	EPC 96 bits TID 48 bit unique User Memory 0 bits
Data retention :	Up to 10 years
Dimensions :	62 x 21mm (Label) 35 x 18mm (Antenna) (Other die-cut sizes available on request)
Material :	Polyester with thin film adhesive
Ingress Protection :	IP54
Operating Temp. :	-10°C to +55°C
Storage Temp. :	-10°C to +45°C
Colors :	White
Quality assurance :	100% read-tested
Optional services :	Logo Printing and Encoding

LABEL APPLICATION

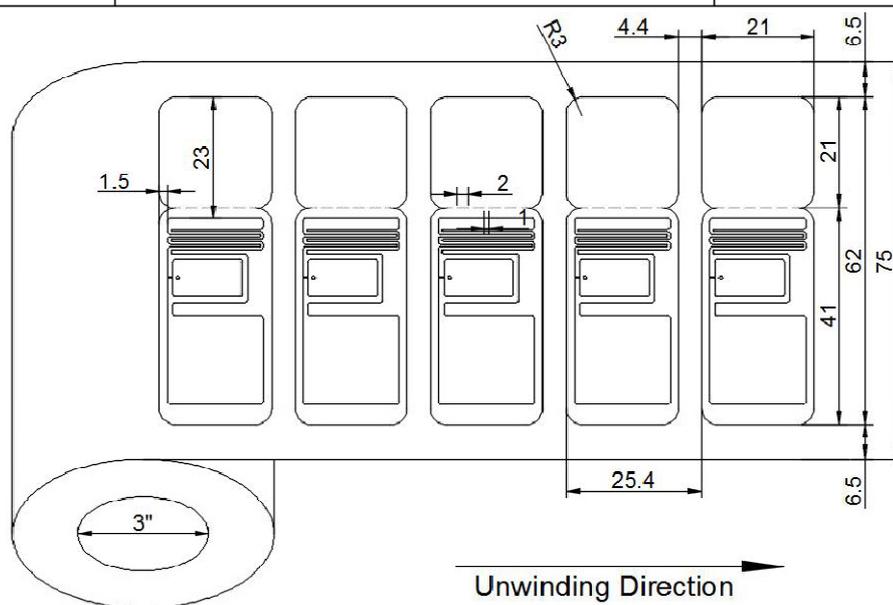**Step 1**
Peel the label from liner

Step 2
Fold the label towards inlay

Step 3
Attach to the asset. Folded part not touching the asset

Dimension Deviations:

No.	Item	Parameters mm
1	Inlay Length	18±0.20
2	Inlay Width	35±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	21±0.5
6	Label Width	62±0.5
7	Label Corner Radius	R=3±0.5
8	Label Edge to Liner Edge (Top)	6.5±1.0
9	Label Edge to Liner Edge (Bottom)	6.5±1.0
10	Label Pitch	25.4±0.5
11	Label Gap	4.4±0.5
12	Liner Width	75±1.0
13	Core ID	3inch(76.20±0.50)
14	Roll OD	≦165
15	Inlay Top to Label Top	23±1.0
16	Inlay Edge to Label Edge (Bottom)	4.0±1.0
17	Antenna Length	18±0.2
18	Antenna Width	35±0.2

Unwinding Direction