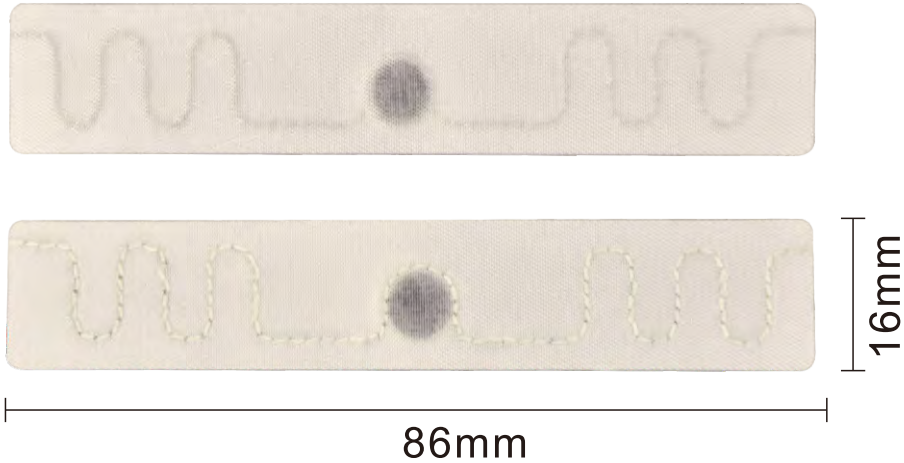


# SPECIFICATION



<b>Product name:</b>	<u>UHF RFID Fabric Tag</u>
<b>Item No.:</b>	<u>LDR-8616W</u>
<b>Version:</b>	<u>V1.0</u>
<b>Date:</b>	<u>2022.10.21</u>



## Quick Details

LDR-8616W UHF RFID Fabric Tag is compliant with EPC C1G2 (ISO18000-6C) standard and it fits for all 860-960MHz UHF RFID readers and antennas. With excellent reading performance and the highest thermal and mechanical resistance, it can be inserted into the narrow hems of garments and other kinds of textile products, which is suitable for industrial application and private wear.

## RFID Parameter

Model No.	LDR-8616W
Type	Passive UHF RFID Washable Tag
Protocol	ISO/IEC 18000-6C, EPC Class1 Gen2
Frequency	Worldwide 840-960MHz, US 902-928MHz, EU 865-868MHz
Chip	NXP Ucode 8
Memory	EPC 128bit / TID 48bits / User 0bits
Read&Write	Supported
Read Range	Fixed: 7m (22 feet) / Handheld: 5m (16 feet)
Data retention	10years
Programming Cycles	100,000 cycles

## Physical Parameter

Size	86×16mm
Material	Textile
Washing cycles	200 cycles
Heat resistance	-40~ 85°C (-40~185°F)
Installation	Self adhesive

## Laundry Cycle Parameter

Maximum temperature	220°C (428°F), 30s, 2.5 bars
Washing	100°C (212°F), 60mins, 120 bars
Pre-drying in tumbler	160°C (320°F), 30mins
Tunnel ironing	185°C (365°F), 30mins
Sterilization process	134°C (273.2°F), 20mins, RH 85%
Water extractor process	60 bars
Chemical resistance	Endure all chemicals common to the washing endurance

## Details



## Application

- Automate operational process during laundry
- Improve the accuracy of information between
- The laundry and its customers
- Hospital uniforms & Hotel sheets tracking

