



Product name:UHF Flexible Textile laundry tag

Product number: F 9508

1. Product features :

Flexible laundry washing tag, especially suit for clothes and fabrics washing, it can bear 180 degree high temperature ironing, can bear **200** times industrial washing.

Tag will pass consistency test, and EPC & User writing test, all the tags with good reliability and function consistency.

2. Specification description :

Model number	F 9508
Work frequency	UHF 863-868MHz; UHF 860-960MHz (can customize other specific frequency)
Work Protocol	EPC Class1 Gen2; ISO18000-6C
Chip type	NXP Ucode 7
Chip memory	EPC 128-bits, user area 32-bit, Access Password 32-bit, TID TID 96-bit, TID unique code, can't modify.
Working mode	Read and write (can rewrite content to chip 100k times)
Tag polarization	Linear
RF performance	Fixed reader: On towel-3m (4W) On monolayer and multilayer wet towel- 1.2m (4W) Handheld reader (Alien) On towel-2m On monolayer and multilayer wet towel- 0.8m
Material	Flexible Textile
Size	70 x15 x1.45mm, 15x87x0,9mm, 20x60x0,9mm, 18x87x0,9mm.
Color	White (can customize color)

Working Temperature	-25~70 degrees
Ironing Temperature	100 degrees @ 60 minutes 125 degrees @ 10 minutes 160 degrees @ 30 minutes 200 degrees @ 30 seconds
High and low temperature alternating test	-40~150 degrees 7 times high and low temperature alternating test , continue 2 days testing pass
Data storage	10 years
Warranty	1 year or 200 times washing
Certificate standard	RoHS and SGS certificate
Test standard	100% function test Finland Voyantic consistency test Reliability test
Package	Multiple 1000pcs.

3. Installation instruction:

3.1 Tag install method

- 1) Method 1 : suture on clothes or fabrics directly
- 2) Method 2 : suture to hop-pocket, then suture hop-pocket to clothes or fabrics

Advantage : when fabrics up to washing life, can cut the hop-pocket and install on other new fabrics, then tag can reuse and reduce cost

Disadvantage : Installation

- 3) Method 3 : Use Ironing method to Iron tag on clothes or fabrics directly, but Iron also have special requirement, so need confirm whether the clothes or fabrics support Iron

3.2 Tag install location select

- 1) For personal management application, tag should install at the junction of shoulders and arm.
- 2) For hotel towel and bed sheet application, tag should install at corner
- 3) For fabrics production tracking application, tag should install at corner



3.3 Tag polarization direction

- 1) When the reader antenna is standard circular polarization, then no need to consider this issue, can install directly.