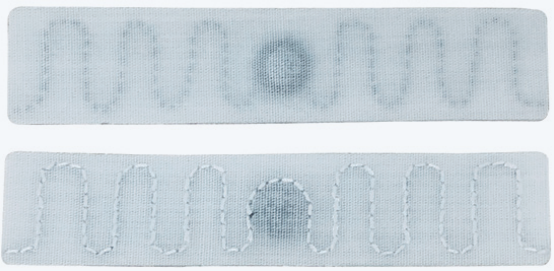
UHF RFID LAUNDRY TAG · TEXTILE

RFID label Laundry 7015

Washable UHF Textile Tag · 70 × 15 mm



The **Laundry 7015** is a soft, flexible UHF textile tag for tracking **garments, uniforms and linen** through their whole service life. It withstands **300+ industrial wash cycles** — washing, drying, ironing and sterilisation — and reads at **3 m or more** across the global 860–960 MHz band.

Built on the NXP UCODE 9 chip, it is sewn into a hem or heat-sealed in 18 seconds, and resists detergent, bleach and 60 bar of press pressure — ready for hotels, hospitals and industrial laundries.

300+	3 m+	70×15 mm	+110 ºC
WASH CYCLES	READ RANGE	TAG SIZE	MAX OPERATING

KEY FEATURES

Industrial wash-proof
300+ cycles at 90 °C washing, 180 °C drying and ironing, and 135 °C sterilisation.

Sew or heat-seal
Stitch into a hem or woven sleeve, or iron on at 218 °C in 18 seconds.

Bulk reading, no line of sight
Global 860–960 MHz UHF — count a full cart of linen in seconds.

Chemical-resistant and safe
Resists detergent, softener, bleach and alkali. RoHS, MRI and GB18401 tested.

RATED WASH PROCESSES: 90 °C wash · 180 °C dry · 180 °C iron · 135 °C sterilise · 60 bar press

TECHNICAL SPECIFICATIONS

Full Datasheet

ELECTRICAL PARAMETERS

Air interface	EPC Global Class1 Gen2 / ISO 18000-6C
Frequency	Global 860–960 MHz
IC type	NXP UCODE 9 (customisable)
Memory	EPC 96 bits · TID 96 bits · no user memory
Reading range	3 m or more (US standard, 1 W handheld)
IC life	100,000 write cycles
Data retention	10 years

MECHANICAL PARAMETERS

Tag size	70 × 15 × 1.5 mm
Base material	Nylon cloth
Colour	White
Weight	Approx. 0.7 g / piece
Package style	Single sheet
Under pressure	60 bar

ENVIRONMENT

Operating temp.	−25 °C to +110 °C
Storage temp.	−40 °C to +85 °C
Storage humidity	5–95% RH
Chemical resistance	Detergent, softener, bleach (oxygen / chlorine), alkali
Compliance	RoHS · MRI · GB18401 — passed

WASH ENDURANCE

Process	Temp.	Time
Washing	90 °C	60 min
Rotary pre-drying	180 °C	30 min
Ironing	180 °C	20 s
Sterilisation	135 °C	20 min
Lifetime	300+ industrial cycles	

INSTALLATION

- **Sewing** — stitched into the hem of a garment or a woven sleeve
- **Heat-sealing** — 218 °C for 18 s at 0.6–0.8 MPa

ENCODING OPTIONS

- Laser-engraved serial or TID number
- Pre-encoding of EPC data
- Pre-encryption

APPLICATION AREAS

- Hotel & hospitality linen
- Hospital & healthcare textiles
- Rental garments & costumes
- Industrial laundry services
- Uniform & workwear management
- Textile inventory & loss prevention

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