

## ***Polyester RFID Laundry Tag Product Datasheet***

### **Model: T7015-3**

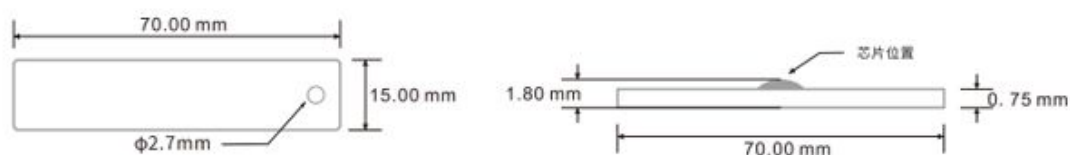


**This Polyester RFID Laundry Tag, meticulously crafted with a flexible antenna embedded within polyester material,** functions as a specialized UHF laundry tag designed exclusively for textile laundry management. Boasting remarkable durability, this tag can withstand **over 200 industrial washing cycles** with ease. Its slender profile, extensive reading distance, pressure resistance, and high-temperature tolerance render it ideal for demanding laundry applications. By either sewing or hot pressing the tag onto each textile item, a unique global identification code is assigned, facilitating seamless tracking.

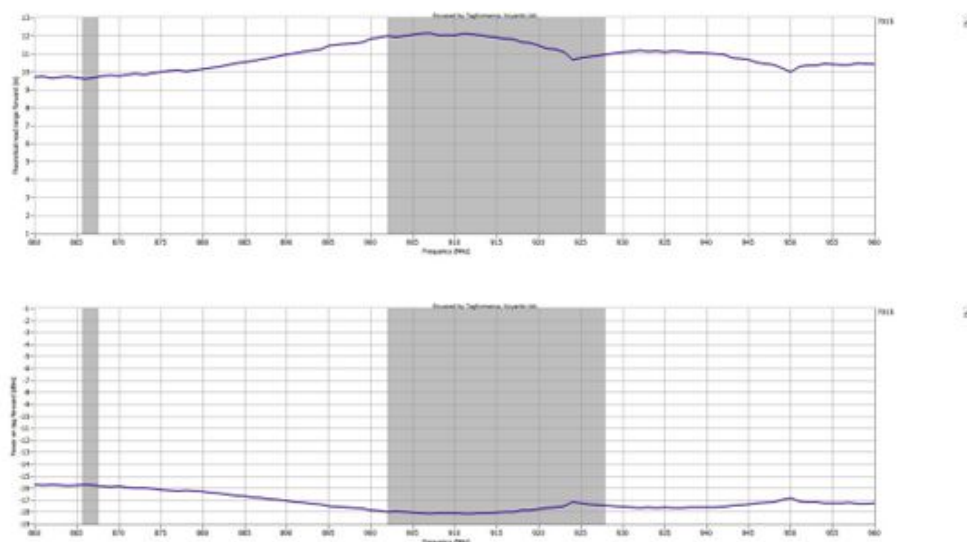
Throughout the lifecycle of the textile, users can efficiently perform batch reading using an RFID reader, thereby enabling precise tracking of textile usage and washing frequencies. This virtually imperceptible RFID laundry tag can be effortlessly inserted into even the narrowest hems of the finest fabrics, maintaining an unparalleled, wear-free feel that ensures ultimate comfort across all types of garments, whether for personal or professional wear.

Its capacity to endure diverse environmental conditions, including washability, corrosion resistance, elasticity, and softness, underscores its remarkable versatility. Remaining concealed and difficult to detect, this tag stands out for its robustness while blending seamlessly into the fabric.

## Dimensions



## Read Range(2W ERP)



## Product Parameters

|                |                                                                       |
|----------------|-----------------------------------------------------------------------|
| Model          | T7015-3                                                               |
| RFID Standard  | UHF EPC Class 1 Gen 2, ISO 18000-6C                                   |
| Frequency      | 860-960 MHz(worldwide)                                                |
| Length x Width | 70 x15 mm (2.7x0.6 in)                                                |
| Thickness      | 1.8 mm(0.07 in)on chip location only, Rest of tag is 0.75 mm(0.03 in) |
| Weight         | 0.7 g                                                                 |
| Material       | Polyester                                                             |

|                                 |                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------------------|
| Chip Type                       | NXP Ucode8                                                                                           |
| Memory                          | EPC:128 bits; TID:96 bits                                                                            |
| Data Storage                    | > 20 years                                                                                           |
| Re-write                        | 100,000 times                                                                                        |
| Read Range(Fixed Reader)        | US: > 12 m(39 ft); EU: > 9.5m(31 ft)                                                                 |
| Read Range(Handheld Reader)     | US: >8m(26ft); EU: >8m(26ft)                                                                         |
| Installation                    | Hang,Sew                                                                                             |
| Warranty                        | 200 washing cycles or 3 years, whichever comes first                                                 |
| Washing Method                  | Laundry, Dry cleaning                                                                                |
| Water Extraction pressure       | 60 bars                                                                                              |
| Chemical Resistance             | Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali                                               |
| Washing Temperature             | 90℃(194°F)/15 minutes                                                                                |
| Pre-drying in Tumble            | 180℃ (356°F)/30 minutes                                                                              |
| Ironing Temperature             | 185℃(365°F)/10 seconds                                                                               |
| Sterilization Temperature       | 135℃ (275°F)/20 minutes                                                                              |
| Humidity/ Temperature-Operating | -20~+85℃ (-68~+185°F)/ 8~95%RH                                                                       |
| Personalization                 | Serial number, LOGO printing, Encoding, Antenna design.etc                                           |
| Applications                    | Industrial washing/Management of uniforms<br>Medical apparel management/Military clothing management |

## APPLICATION



Control laundry operations  
Manage inventory  
Logistic tracking



Pool towel operations  
Track inventory  
Automated management

