

# Button Tenun Tag

## U7M E2806891 UHF RFID Tag



### Durable RFID Tag for Industrial Washing and Workwear Management

The Industrial RFID Button Tenun Tag is specifically engineered for environments requiring repeated washing and sterilization. Designed with PPS material and high-temperature epoxy adhesive, the tag withstands over 200 industrial washes, alcohol, and gasoline exposure, while maintaining stable performance.

Operating in the UHF 902–928 MHz frequency band, it provides reliable read performance up to 1.5 meters with fixed readers and 1 meter with handheld readers. Its lightweight button form factor, waterproof IP67 rating, and robust heat resistance make it an ideal solution for work uniform management, medical clothing tracking, and personnel inspection systems.

### Overview

#### Frequency Band

Customizable 902–928 MHz

#### Chip

NXP Ucode 7/7M

#### Material

PPS and high-temperature resistant epoxy adhesive

#### Tag Dimension

Diameter: 18 mm,

Thickness: 2.8 mm

(Accuracy:  $\pm 0.2$  mm)

#### Operating Temperature

-25°C to +110°C

#### Color

Black

#### Main Features

Use materials with high heat resistance;  
Ultra-high frequency;  
The surface can be marked with a laser serial number.  
Waterproof.

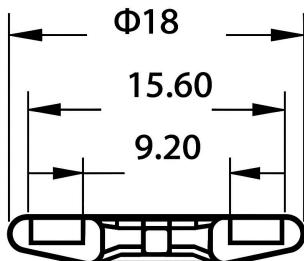
#### Application

Industrial Washing;  
Work Uniform Management;  
Medical Clothing;  
Management;  
Personnel Inspection  
Management

## Technical Features

Airborne Protocol working frequency	EPC Class 1 Gen 2; ISO18000-6C
Chip type	902-928 MHz (The Frequency can be customized according to the application NXP Ucode7/7M Chip)
Chip Storage	EPC 128 Bit
Reading and writing performance	Readable and writable (The customer can repeatedly write content into the chip)
Data Storage	20 Years
Warranty	One year
Main Material	PPS and high-temperature resistant epoxy adhesive
Product Size	Diameter: 18 mm, Thickness: 2.8 mm (Accuracy: $\pm 0.2$ mm)
Working Temperature	-25°C to +110°C
Storage Temperature	-40°C to +120°C
Short term temperature preservation	180°C @ 2 minutes
Humidity Storage	5% to 95%
Storage Temperature	Stitched (cardboard box packaging, using double-hole buttons)
Operating Mode	Passive
Product Weight	0.91 grams per piece

## Product Overview



### Contact Information

[www.tudi.id/contact-us](http://www.tudi.id/contact-us)

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