

# Data Sheet

## UHF RFID Fashion Tag

### Fujitsu WT-A533L

*Track fashion apparel and accessories*

Fujitsu's UHF RFID fashion tags are designed to enhance security and improve operational processes in the fashion industry. The Fujitsu WT-A533L Fashion Tag is uniquely tailored to prevent theft and counterfeiting of high-value clothing and accessories. It is manufactured with transparent materials, making it virtually invisible when sewn into clothing, handbags, hats, and more. Measuring only 0.3 millimeters thick, the WT-A533L Fashion Tag can easily be sewn or attached with heat seal label into sheer garments, lace, silks, formal wear, shirts and accessories. The tag uses advanced antenna technology that allows for reading hundreds of items while reducing misreads. The RFID Fashion Tag is designed for permanent installation into fashion apparel and is safe for home washing, dry-cleaning and ironing.

#### Key Features

- Inhibits fraud and counterfeiting
- Easily installs in hems, seams, or under manufacturers label
- Designed for attachment with heat seal labels or sewing
- Adhesive or non-adhesive models available
- Safe for home laundry and ironing
- Low cost for simplified adoption in bulk
- Transparent design is virtually unnoticeable when attached

With Fujitsu's innovative UHF RFID tag solutions, fashion houses and retail outlets can easily track high-value clothing and accessories. The WT-A533L Fashion Tag is an ideal solution to identify original products for the fashion industry that suffers massive losses due to counterfeiting. When installed, the WT-A533L Fashion Tag is imperceptible. It can easily be inserted into the hem or seam of any garment or accessory to provide a unique, item-level ID which cannot be duplicated. This allows retailers to rely on RFID for inventory management, enhanced customer service, and counterfeit detection.



# Fujitsu WT-A533L Fashion Tag Specifications

RFID Standard	ISO/IEC 18000-6 Type C (EPC Gen2)
Size	55 (W) x 7 (D) x 0.3 (H) mm
EPC Number Area	96 bit unlocked
EPC Data	Unique EPC written by Fujitsu
Reading Range	902-928 MHz: 4W eirp more than 200 cm 865.6-867.7 MHz: 2W erp more than 120 cm
Tagging	Sewing, heat-sealing
Estimated Lifetime	50 home washings or dry cleanings, or 2 years life whichever comes first
Washing Method	Home Laundry, Dry cleaning
Washing Resistance	Washing resistant
Chemical Resistance	Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali
Heat Resistance	Drying: 85 °C (Up to 60 min.) or 120 °C (Up to 10 min.) Ironing: 200 °C (Up to 10 sec. with press cloth)
Temperature/Humidity	Operating: -20 to 50 °C, 10 to 95% RH Storage: -40 to 55 °C, 8 to 95% RH



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