

UHF RFID garment tag

# UHF RFID Tag WT-A533G

Wash, Dry,  
Track, Repeat.

UHF RFID garment tags  
for rental garments,  
uniforms and work wear

- ▶ New, smaller form factor at just 0.6mm thick
- ▶ Virtually transparent
- ▶ Easy attachment with heat seal labels
- ▶ Adhesive layer simplifies installation process
- ▶ Advanced antenna design for exceptional read rates
- ▶ Cost effective for easy adoption
- ▶ Read hundreds of tags simultaneously



**FUJITSU**

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## Fujitsu's RFID garment tags

The new garment tag is only 0.6mm thick and virtually transparent. It can be easily attached to garments with heat seal labels and be virtually unnoticeable. The tag is designed for typical garment industrial laundry and dry-cleaning equipment and processes. As with our linen tags, the garment tag uses advanced antenna technology that allows for reading hundreds of items while reducing mis-reads of nearby tags.

## Advantages of UHF Technology

### Speed

UHF efficiency increases tag read performance to read hundreds of tags in a single pass.

### Accuracy

Perform inventory management accurately and easily by reading multiple tags at once with very low error rates.

### ROI

Installation of UHF technology will provide cost-effective garment management by reducing labor costs associated with barcode or high frequency RFID tags. Garment and Uniform suppliers will see improved asset tracking and reduced loss, while improving workflow and efficiency.



Specifications		
Model	Fujitsu RFID Tag WT-A533G	
Standard	RFID Standard	ISO/IEC 18000-63 (EPC Gen2)
Regulations	RoHS	Conforms to RoHS regulations
	China RoHS	Conforms to Administrative Measure on the Control of Pollution Caused by Electronic Information Products
MRI Safety Information	MR Conditional (Static magnetic field of 1.5-T and 3-T)	
Size & Weight	55 (W) x 9 (D) x 0.6 (H) mm, 0.4g	
Tag Type	Passive	
EPC Number Area	128bit / unlock (The first 96bit are pre-written by Fujitsu)*1	
User Memory	None	
Reading Range	902-928 MHz	4W eirp: 190 cm (Typical) Air; 230 cm (Typical) with heat seal 2W erp: 170 cm (Typical); 200 cm (Typical) Air
	865.6-867.6 MHz	2W eirp: 100 cm (Typical) Air; 130 cm (Typical) with heat seal
Tagging	Heat sealing, seam insertion, pouch	
Estimated Lifetime	100 washing cycles/dry cleaning or 3 years from shipping date without usage, whichever comes first*2	
Environmental Resistance	Washing Method	
	Laundry, Standard Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali*3	
	Dry cleaning (PERC and petroleum based solvents)*4	
	Heat Resistance	Drying Ironing
Temperature/ Humidity	Operating	-20 to 50 °C, 10 to 95% RH
	Storage	-40 to 55 °C, 8 to 95% RH

All data are results performed in our test condition according to Japan Industrial Standard JIS L 0217 - 102, 301, 401, 402. Your test result may vary.

\*1: Last 32 bits are not specified. Modifying EPC area is not covered by product warranty.

\*2: Verified with independent testing - nominal industrial laundry conditions

\*3: Conditions for washing: Conventional washers/dryers excluding water extraction press

\*4: Conditions for dry cleaning: Up to 10 minutes/cycle for washing, and 30 minutes/cycle up to 60 °C for drying



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