



# DATASHEET

## UHF Fabric Laundry Tag

**Tag Code: STA L6433126**

Fabric Laundry Tag is Rugged Design Specially for Laundry & Linen management. These tags are designed to meet all Requirements in terms of Pressure, Heat, and chemical Resistant in the Application of Contactless Tracking of garments in Textile Rental & Dry Cleaning



### Electrical Specification

<b>Air Interface Protocol</b>	ISO/IEC 18000-6C, EPC Global C1G2
<b>Operational Frequency</b>	860 – 960 MHz
<b>Chip</b>	Impinj Monza 4QT
<b>Memory Configuration</b>	EPC-96 bits
	TID – 96 bits unalterable unique
	User memory – 512 bits
	Access password – 32 bits
	Kill password – 32 bits
<b>Data Retention</b>	50 years
<b>Write endurance</b>	100,000 cycles
<b>Read Range*</b>	5 – 7 m, when attached with fabric / textile

### Physical / Mechanical Specification

<b>Dimensions</b>	85 x 20 ± 0.5 mm
<b>Thickness</b>	0.8mm, (1.9mm at centre)
<b>Colour</b>	White
<b>Weight</b>	1.8 g
<b>Encasement</b>	Washable fabric
<b>Quality Assurance</b>	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +150°C 180°C for 30 min 204°C for 20 seconds
Water pressure	300 bar for 5 min, 45 bar for 10 hours
Axial & radial compression strength	1000 N for 10 sec
Storage temperature	-40°C to +85°C
Ingress protection rating	IP68
Wash Cycles	Up to 200 cycles
Attachment	Sewing / Ironing
Applicable surface	All types of cloths

## Dimensions



## Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours  
Resistant to continuous exposure to motor oil for 2 hours  
Additionally, abrasion resistant against HCL and IPA

## Additional Services

Pre-encoding	On request
Customization***	Logo / text printing on request

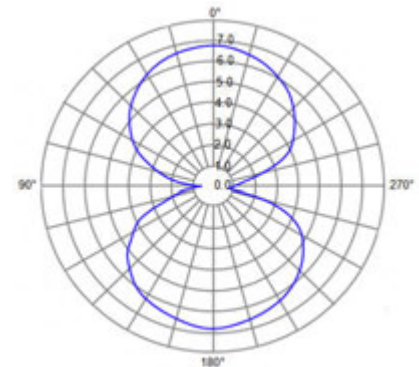
\* Actual Read range may vary depending upon the reader and environmental factor

\*\* Other on request

\*\*\* Available as an option at extra cost

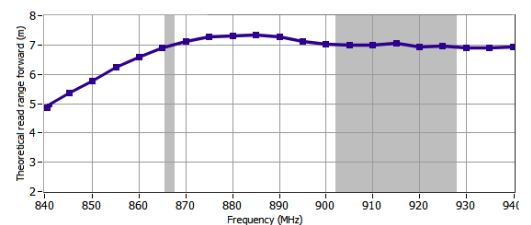
## Radiation Pattern Graph

(Orientation v/s Read Range)



## Linear Frequency Graph

(Frequency v/s Read Range)



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