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

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

Physical / Mechanical Specification

Dimensions	85 x 20 ± 0.5 mm
Thickness	0.8mm, (1.9mm at centre)
Colour	White
Weight	1.8 g
Encasement	Washable fabric
Quality Assurance	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

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

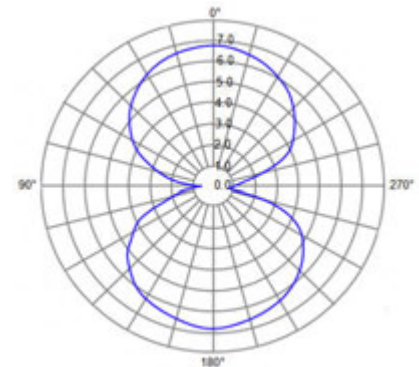|	
Pre-encoding	On request
Customization***	Logo / text printing on request

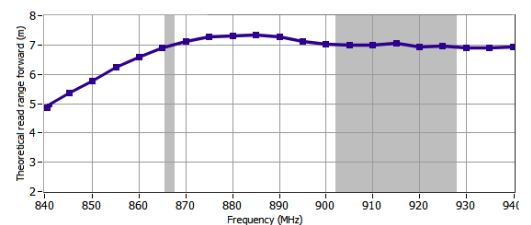|	
*	Actual Read range may vary depending upon the reader and environmental factor
**	Other on request
***	Available as an option at extra cost

Dimensions

Radiation Pattern Graph
(Orientation v/s Read Range)

Linear Frequency Graph
(Frequency v/s Read Range)

BARCODE | RFID | AUTOMATION | POS | SOFTWARE | CONSUMABLES