Omnia
Manufacturer of RFID tags

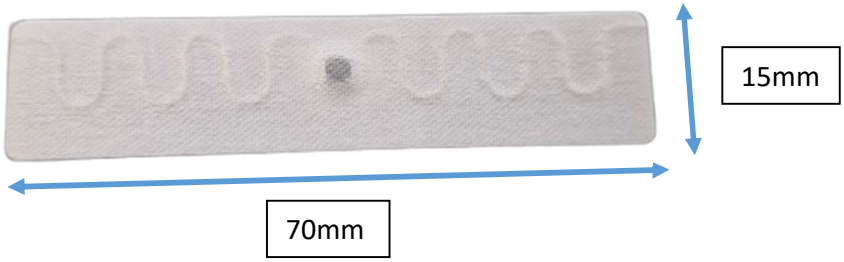
UHF Fabric Laundry Tag

Product Code: U9E11132X

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.



Tag Dimensions



Electrical Specifications

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	860 – 960 MHz
Chip	Impinj Monza 830
Memory Configuration	EPC–128 bits
	TID – 96 bits unalterable unique
	Access password – 32 bits
	Kill password – 32 bits
Data Retention	At most 20 years (Ambient Temperature Dependent)
Write endurance	100,000 cycles
Read Range*	Up to 7.0 meters on a fixed reader with a linear antenna
Operating temperature	-20°C to +85°C
Water pressure	60 Bars
Washing Temperature	90°C for 15 minutes
Ironing temperature	185°C for 10 seconds
Tumble drying	180°C for 30 minutes
Wash Cycles	Up to 200 cycles or 3 Years, whichever comes first
Attachment	Sewn / Hot Press
Applicable surface	All types of clothes

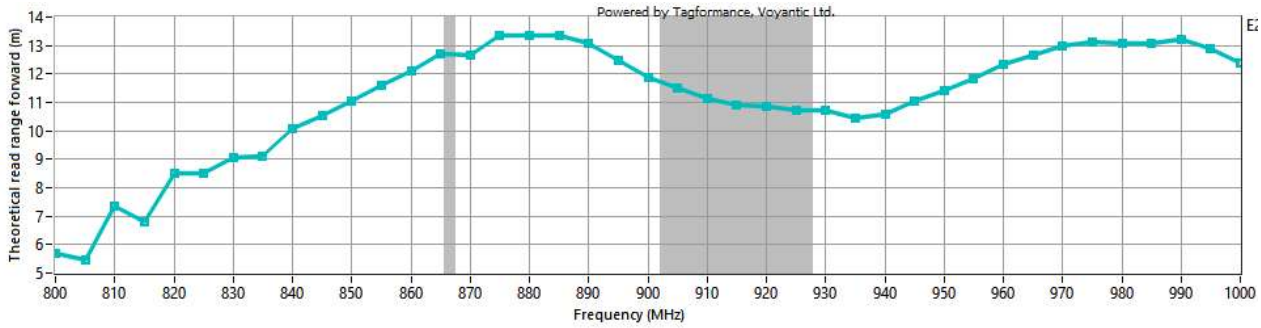
Physical and Mechanical Specification

Dimensions	70 x 15 ± 0.3 mm
Thickness	0.65mm, (up to 1.5 mm at centre)
Colour	White
Weight	0.5 g
Encasement	Washable fabric
Quality Assurance	100% reader tested

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

Linear Frequency Graph



Additional Services

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

Order Information

U9E11132S	With NXP UCODE 9xe chip (Sewn Tag version)
U9E11132X	With NXP UCODE 9xe chip (Hot Pressable Tag version)

*	Actual read range may vary depending upon the reader
**	Other on request
***	Available as an option at extra cost

Omnia Technologies Pvt. Ltd.

Manufacturing Unit

Plot No. 68, Sector-5, IMT Manesar, Gurugram, Haryana-122050, INDIA | +91(124)4366174, 4366411,+91(124)4366410 (Fax)

Omnia Technologies reserves the right to change/update any information provided above without prior notice