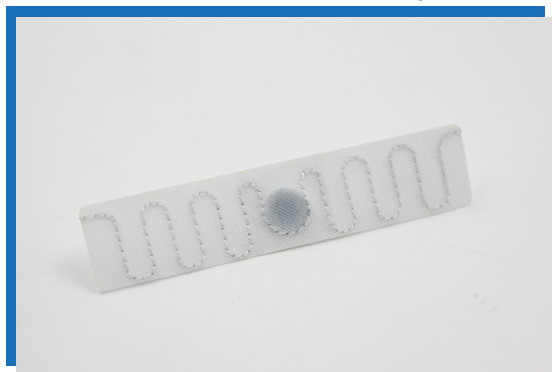


UHF Laundry Tag

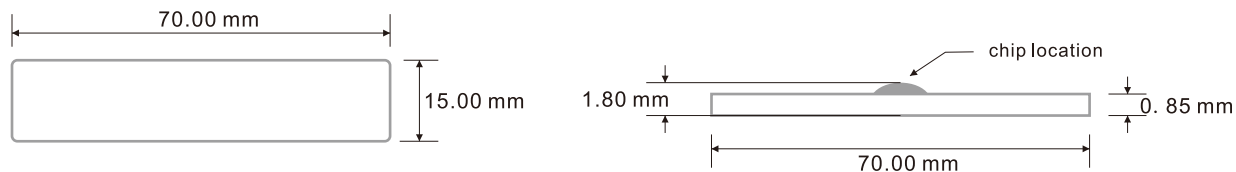
Aqua LA301



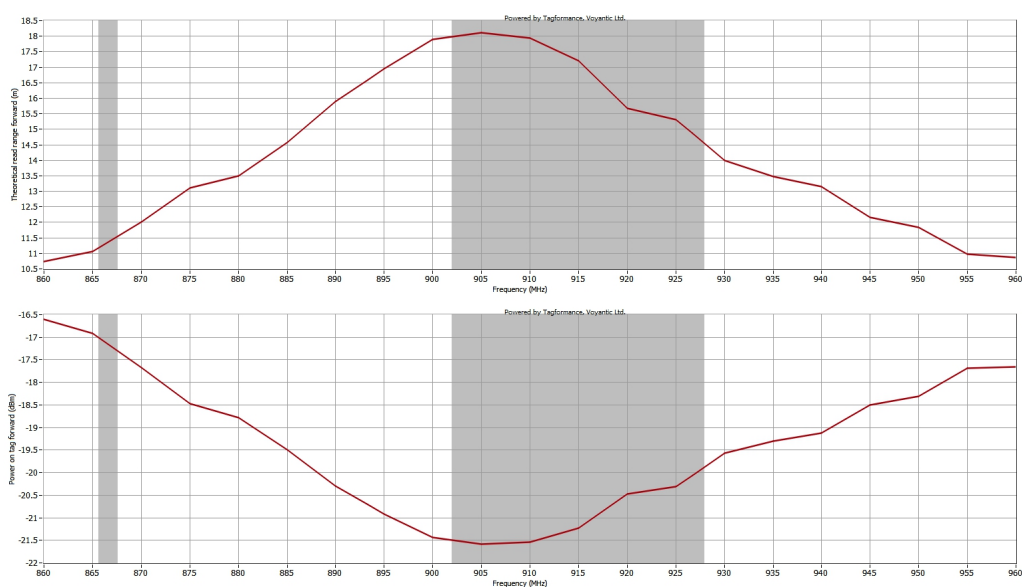
Aqua LA301, based on flexible antenna and woven, is a UHF laundry tag, special for linen laundry management. The tag can withstand more than 200 industrial washing cycles, with thin thickness, long reading distance, pressure and high temperature resistance. The laundry tag has a unique global identification code, by sewing/hot pressing a tag on each piece of linen. In the entire use of linen, users can do batch reading and check the linern pretty quickly by RFID reader, automatically record the use of linen, washing times. It will make the handover of washing tasks simple and transparent, and greatly improves the efficiency of inventory inspection by the UHF laundry tag. Meanwhile, users can predict the service life of the current linen and make purchase plans through the data collection of washing times.

Model	Aqua LA301					
RFID Standard	UHF EPC Class 1 Gen 2, ISO 18000-6C					
Frequency	860-960 MHz (worldwide)					
Length x Width	70 x 15 mm (2.7x0.6 in)					
Thickness	1.8 mm(0.07 in) on chip location only, Rest of tag is 0.85 mm(0.03 in)					
Weight	0.6 g					
Material	Polyester					
Chip Type	Impinj Monza 730					
Memory	User Memory	EPC Memory	TID Memory	Serialized TID	Kill Passwords	Access Passwords
	N/A	128 bits	48 bits	48 bits	32 bits	32 bits
Data Storage	> 10 years					
Re-write	100,000 times					
Read Range(Fixed Reader)	> 18.0 m(59 ft)					
Read Range(Handheld Reader)	> 12.0 m(39 ft)					
Installation	Sew: Sewn inside the hem or pouch Heat-sealing: Heat-seal the tag onto the textile at 210°C and 0.6-0.8 MPa for 20 seconds					
Warranty	200 washing cycles or 3 years, whichever comes first					
Washing Method	Laundry, Dry cleaning					
Water Extraction pressure	60 bars					
Chemical Resistance	Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali					
Washing Temperature	90°C (194°F) /15 minutes					
Pre-drying in Tumble	180°C (356°F) /30 minutes					
Ironing Temperature	185°C (365°F) /10 seconds					
Sterilization Temperature	135°C (275°F) /20 minutes					
Humidity/ Temperature-Operating	-20~+85°C (-68~+185°F) / 8~95%RH					
Personalization	Serial number, LOGO printing, Encoding, Antenna design.etc					
Applications	Industrial washing/Management of uniforms Medical apparel management/Military clothing management					

Dimensions



Read Range(2W ERP)



Application

