Printable UHF Laundry Tag In Roll
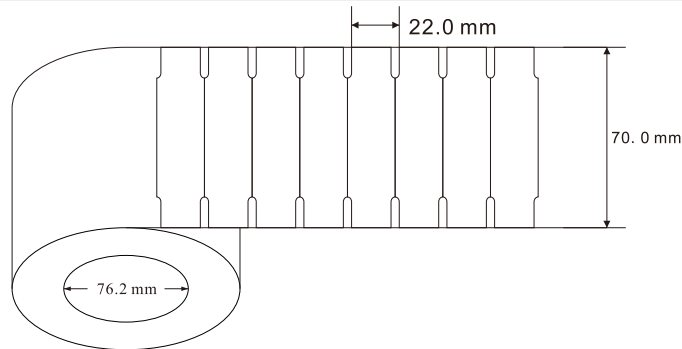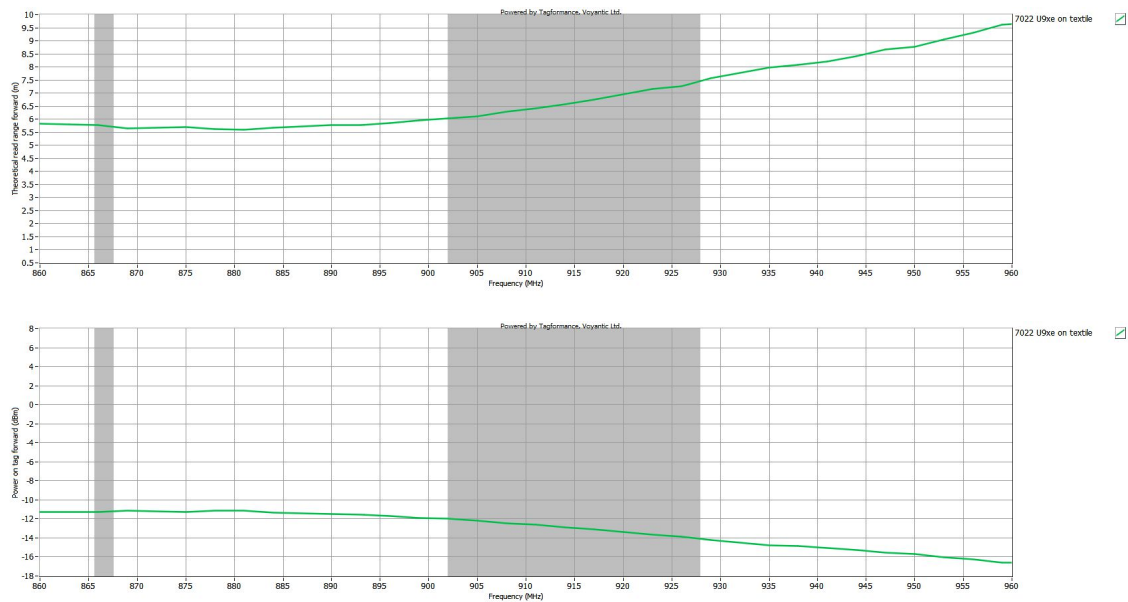
This product was developed by RICHRFID independently with domestic and international patents,which was designed specifically for harsh industrial washing environments, combining excellent durability with convenient printability, providing unprecedented traceability and management for textiles and clothing. These labels are provided in rolls form, which can be printed and coded with RFID printers simultaneously for customized labels on demand, improves the operational efficiency greatly. In addition, it is also convenient to directly integrate into the automatic labeling production line to increase efficiency and reduce costs. It is perfectly adapted to the traceability needs for laundry factories, uniform management, hotels, medical linens and high-end clothing brands, realizes the statistics of washing times, flow monitoring and automatic inventory.

Model	Nebula LA711
RFID Standard	UHF EPC Class 1 Gen 2, ISO 18000-6C
Frequency	860-960 MHz(worldwide)
Length x Width	70 x 22 mm(2.7x0.9 in)
Thickness	1.0mm(0.04 in)on chip location only, Rest of tag is 0.65 mm(0.03 in)
Weight	0.8 g
Material	Polyester
Chip Type	NXP Ucode 9xe
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range(Fixed Reader)	US: > 7.5 m(25 ft); EU: > 5.8 m(19 ft)
Read Range(Handheld Reader)	US: > 9.0 m(30 ft); EU: > 7.5 m(25 ft)
Installation	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 Tempereature	185°C(365°F)/10 seconds
Sterilization Tempereature	135°C(275°F)/20 minutes
Humidity/ Temperature-Operating	-20~+85°C(-4~+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

22.0 mm

70.0 mm

76.2 mm

Read Range(2W ERP)

Powered by Tagformance, Voyantic Ltd.

7022 U9xe on textile

Theoretical read range forward (m)

Frequency (MHz)

Powered by Tagformance, Voyantic Ltd.

7022 U9xe on textile

Power on tag forward (dBm)

Frequency (MHz)

Application

Hotel linen management

Textile product management

Hospital Linen and Uniform laundry

Linen rental management

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