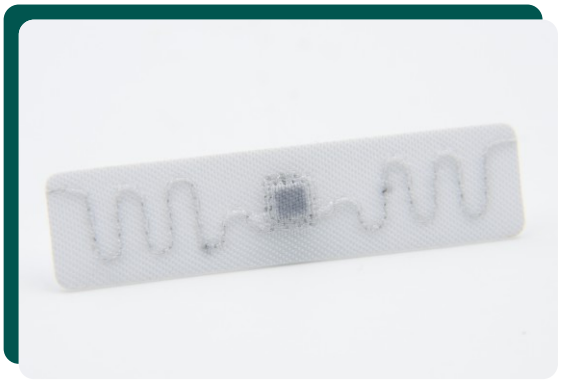
UHF Laundry Tag

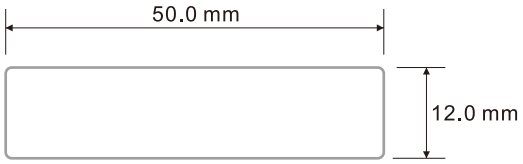
Hydro LA426

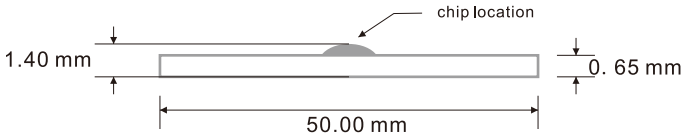


Hydro LA426,based on flexible antenna and woven,is a UHF laundry tag,special for linen laundry management.The tag can withstand more than 200 industrial washing cycles,with thin thickness,long reading distance,pressure and high temperature resistance.The laundry tag has a unique global identification 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 purhcase plans through the data collection of washing times.

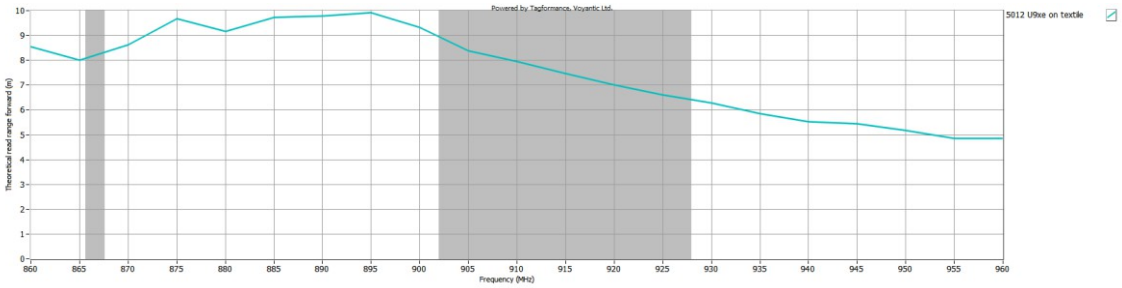
Model	Hydro LA426
RFID Standard	UHF EPC Class 1 Gen 2, ISO 18000-6C
Frequency	860-960 MHz (worldwide)
Length x Width	50 x 12 mm (2.0x0.5 in)
Thickness	1.40 mm(0.06 in)on chip location only, Rest of tag is 0.65 mm(0.03 in)
Weight	0.3 g
Material	Polyester
Chip Type	NXP Ucode 9xe
Memory	User - N/A; EPC - 128 bits; TID - 96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range(Fixed Reader)	US: > 9.0 m(30 ft); EU: > 8.0 m(26 ft)
Read Range(Handheld Reader)	US: > 11.0 m(36 ft); EU: > 9.5 m(31 ft)
Installation	Sew:Sewn inside the hem or pouch
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

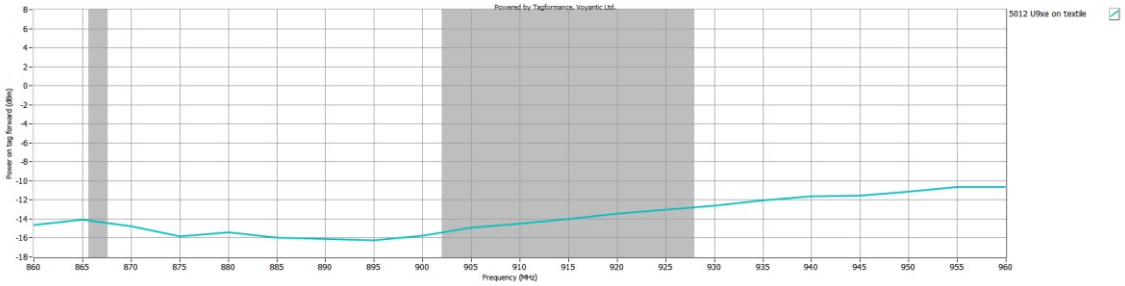
Dimensions





Read Range(2W ERP)





Application