

UHF Laundry Tag

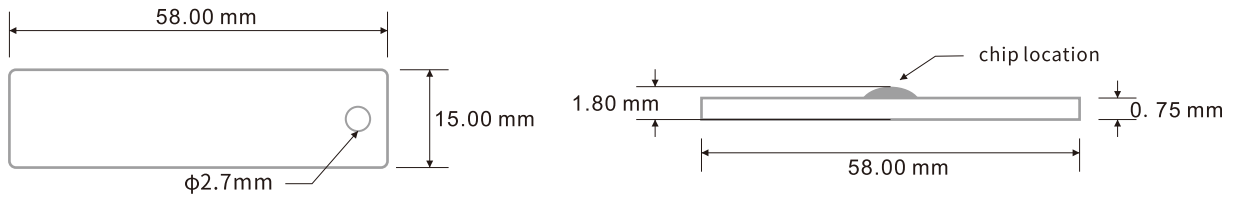
Aqua LA105-H



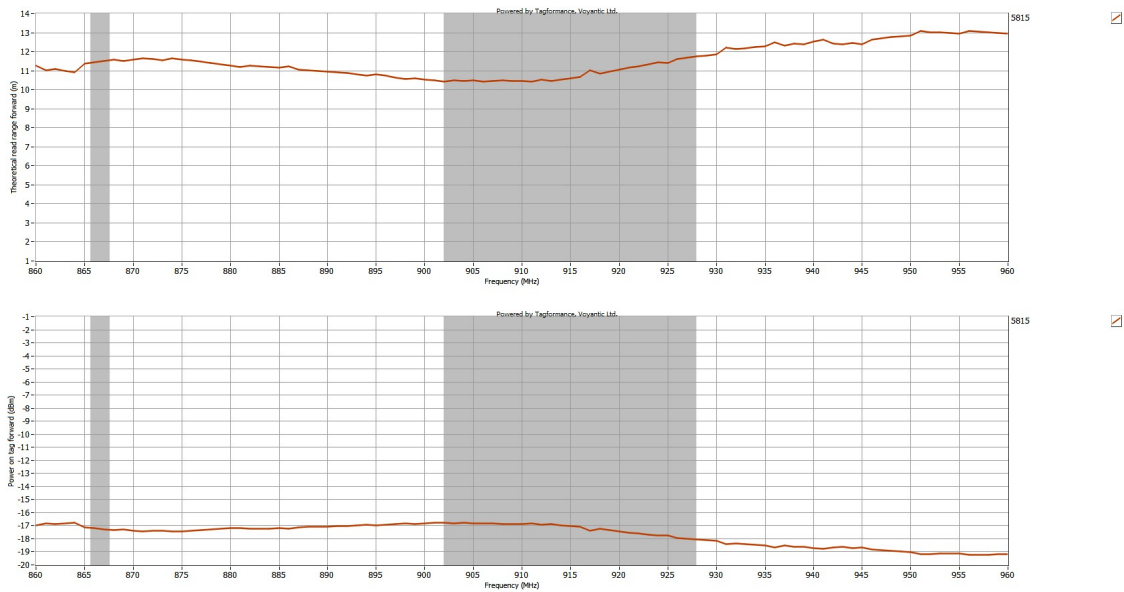
Aqua LA105-H, based on flexible antenna and woven, is a UHF laundry tag, special for linen laundry management. The tag can withstand more than 200 industrial washing cycles, with thin thickness, long reading distance, pressure and high temperature resistance. The laundry tag has a unique global identification code, by sewing/hanging a tag on each piece of linen. In the entire use of linen, users can do batch reading and check the linen 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.

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| Model | Aqua LA105-H |
| RFID Standard | UHF EPC Class 1 Gen 2, ISO 18000-6C |
| Frequency | 860-960 MHz (worldwide) |
| Length x Width | 58 x 15 mm (2.3x0.6 in) |
| Thickness | 1.8 mm (0.07 in) on chip location only, Rest of tag is 0.75 mm (0.03 in) |
| Weight | 0.6 g |
| Material | Polyester |
| Chip Type | NXP Ucode 8 |
| Memory | EPC: 128 bits; TID: 96 bits |
| Data Storage | > 20 years |
| Re-write | 100,000 times |
| Read Range (Fixed Reader) | > 11.5 m (38 ft) |
| Read Range (Handheld Reader) | > 8 m (26 ft) |
| Installation | Hang, Sew |
| 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

