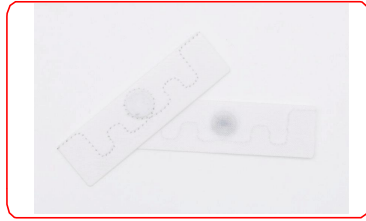
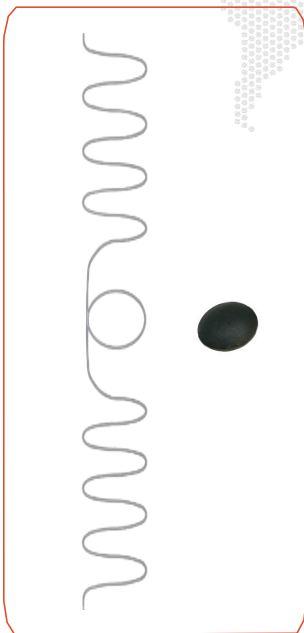


JYL-FLD7020



JYL-FLD RFID Laundry Tag is a coupled tag designed for textile products that go through a variety of industrial laundering processes, including sterilization and ironing. Its manufactured with Dual UHF/NFC technology and conforms to international standards EPC Class1 Gen2, ISO 18000 and ISO/IEC 14443 TYPE A; NFC FORUM TYPE 2. The JYL-Tech RFID Laundry Tag is capable of mass reading from a distance of a few meters. These tags identifies, tracks and manages linen and textile assets effectively . For establishments that require a constant flow of cleaning linens, uniforms, workwear, medical apparel or cleaning supplies, laundry tags assist automated systems to track large numbers of individual items faster and more accurately.

Architecture



Textile laundry tag consists of 3 main parts which can withstand harsh industrial environment for laundry processes operating for hundreds cycles.

Part1: LaundryChips

A silicon chip protection by rigid resin housing withstand harsh industrial laundry environment repeat for hundreds of circulations washing

Part2: Laundry Antenna

Antenna made of flexible, anti-oxidative stainless steel fibers, coated with Teflon, resistant to high temperature chemical detergent liquids during all laundry processes

Part3: FABRIC SUBSTATE

Based on the RFID module and antenna, the components are held in place and withstand millions of shocks. The fabric material requires a series of pretreatments to keep shrinkage and deformation within minimum range, and is coated with a silicone heat adhesive as a laminating overlays to protect the laundrychip inside

Applications

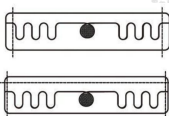
- Industrial washing | Management of uniforms | Producers of Linen | Commercial Laundry | Hospitality Industry | Medical Facilities | Residential Care Facilities | Various Institutions

Highlights

- More than 200 washing cycles (under industrial washing environment pressure 60 bars, heating at 200°C)
- Small dimensions & Maximum flexibility, with ultra-high-density bulk reading;
- Available in 3 versions: source tagging(sewn), patchable (heat-sealable) and in pouch;
- On Demand Service: Laser logo with EPC encoding in RFID chip;

Installation

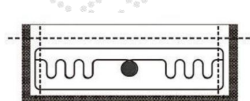
Stitching



Heat sealed



Pouching



Tag Type	JYL-FLD7020
Tag Dimensions	70(L) x 20(W) x 1.8(H)mm
Tag Weight(Approx.)	0.8 g
Tag Warranty	200 wash cycles or 3 years from shipping date (whichever comes first)
Tag Memory	UHF EPC: 160 bits/256 bits, TID: 96 bits/128 bits. UHF/HF Users: 2K bits
Data Retention	>15 years
Read Distance	3.8 m(12.5 ft), on clothes; 4.2 m(13.8 ft), in air (ERP=2W fixed reader), 1.6 m(5.0 ft), on clothes; 2.0 m(6.6 ft), in air (Handheld reader)
Operating Power	Passive, operates through antenna's RF field
Operating Frequency	860-960 MHZ & 13.56MHz (worldwide)
Typical Washing Cycle	Washing: 90°C(194oF), 15 minutes, 200 cycle Pre-drying in Tumbler: 180°C(320oF), 30minutes Ironer: 185°C(356oF), 10 seconds, 200 cycles Sterilization Process: 135°C(275oF), 20 minutes Mechanical Resistance: Up to 60 bars
Autoclave	Air removal: +100°C(+212° F), 5mins, 0.1bar Sterilizing:+134°C(+273° F), 10mins, 3.25bar Drying:+45°C(+113° F), 15mina, 0.2bar
Installation	Sewn or Pouch
Storage Temperature	-40°C to +120°C(-40° F to +248° F)
Chemical Resistance	Normal common chemicals in the washing processes
Compliance	ISO/IEC 18000-6C EPC Class 1 Gen 2 , ISO/IEC 14443 TYPE A; NFC: FORUM TYPE 2
Certification	OEKO-TEX® , ATP (Applied Tag Performance), REACH SVHC, Over 200times Washing, ROHS

Order Code

JYL= Brand FL=Fabric Laundry

3515/3611/3618/5512/5815/7010/7015/7018/7512/7515 = Laundry Tag Size Options

T = Tagging (to be sewn into textile)

H = Heat-Sealable (to be heat-sealed on textile)

P = Pouching (pouch with generic RFID logo embroidered)

E = Re-programmable(to be encoded on chips)

L = Laser (Numbering, Bracode, EPC laser-marked)

For example: JYL-FL7015-T = JYL Fabric Laundry **sewing type** Tag with 70*15mm size

