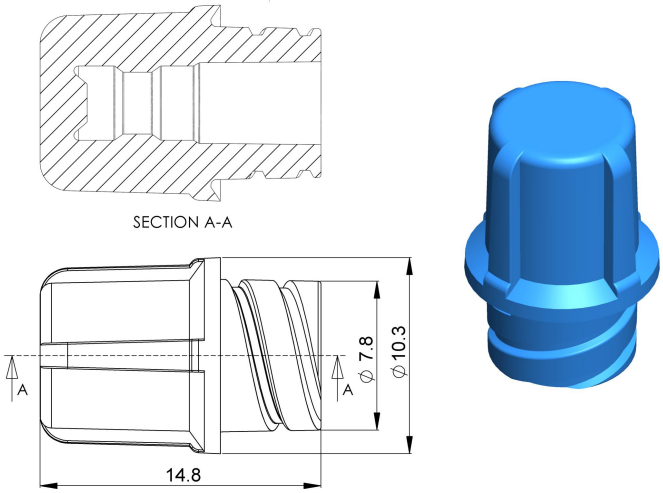
APK-ID
YOUR SMART CHOICE FOR RFID PRODUCTS

**Datasheet**

# LUER LOCK WITH RFID (UHF)




APK Identification Luer lock is a passive UHF RFID tag which is specially designed for prefilled syringe end cap. Our RFID Tag is fully encapsulate within special thermoplastics which helps to protect the integrity of injectable drug products and provides added advantage of traceability and tracking. Our luer lock tag capable of meeting the challenges of today's sensitive, high-value biologics and small molecules. Our tag meets all requirements in terms of heat, pressure and chemical resistance in the applications concerning medical and pharma that faces harsh conditions during steam and chemical sterilization.

## Tag Specification Data

| | Ultra High Frequency |
|---|---|
| ISO Protocol | ISO 18000-6C, EPC Class1 Gen2 |
| Operating Frequency | 865-868 MHz |
| Memory | 128 bit EPC + 32 bit |
| Data Retention | Up to 50 years |
| Programming Cycle | Up to 100,000 cycles |
| Material | TPE |
| Dimension | 10.3 x 14.8 mm & Customize |
| Weight | Max 0.70g |

## Environmental Test Data

| | |
|---|---|
| Ingress Protection | IP67 |
| Storage Temperature | -25$^0$C to +80$^0$C |
| Operating Temperature | -5$^0$C to +80$^0$C |
| Humidity | 40°C / 90% RH |
| Vibration Resistance | Excellent |
| Shock Resistance | Excellent |
| Impact Resistance | Good |

**Features:**

- RFID E-Unit fully encapsulated in medical grade elastomer
- Can be use in other medical and pharma applications
- Preserver the sealing properties of soft rubber shields.
- Our tag is fully reliable, temper proof and trustworthy.
- Bulk reading in static & dynamic (Conveyor system) conditions.
- Bulk reading of 160 pcs in short time
- Bulk reading of RNS even in vicinity of liquid

**Applications:**

- Medical and Pharma applications.

Data Sheet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