

# RNS WITH RFID (UHF)



APK Identification RFID Tag for Needle Shield is a specially designed RFID Tag which can be incorporated in RNS and can be used in various other medical and pharma applications. Our RFID Tag is fully encapsulate in polypropylene cover with no involvement with soft rubber shield which helps to preserve the sealing properties of soft rubber shields and protect the integrity of injectable drug products and provides added advantage of traceability and tracking. 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.

**Features:**

- Fully encapsulated in rigid medical grade polypropylene cover
- Can be use in other medical and pharma applications
- Preserver the sealing properties of soft rubber shields.
- No change in RNS material, design and dimensions.
- 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

**Tag Specification Data**

Ultra High Frequency	
ISO Protocol	ISO 18000-6C, EPC Class1 Gen2
Operating Frequency	860-960 MHz
Memory	128 bit EPC + 32 bit
Data Retention	Up to 50 years
Programming Cycle	Up to 100,000 cycles
Material	PP
Dimension	Ø8.2 x 25.7 mm
Weight	Max 0.40g

**Environmental Test Data**

Ingress Protection	IP68
Storage Temperature	-25°C to +80°C
Operating Temperature	-5°C to +80°C
Humidity	40°C / 90% RH
Vibration Resistance	Excellent
Shock Resistance	Excellent

**APK Identification,  
Plot#129-B, NSEZ,  
Phase-II, Noida U.P 201305  
INDIA.  
Tel. +91 120 2462331/2460231  
Fax. +91 120 2462332**

**APK Identification,  
Greenlands Business Centre,  
Studley Road,Redditch,Worcs,  
B987HD, United Kingdom.  
Tel. +44 1527 517 610  
Fax +44 1527 517 615**