

UHF TAMPERPROOF BICYCLE TAG

APK ID Bicycle Tag is passive UHF RFID rugged hard label tag that delivers exceptional performance specially when attached to metal surfaces like iron, steel, aluminum etc.

Features:

- Tamperproof tag
- Easy to apply on the bicycle frame
- No additional drag added to the bicycle
- Eliminates straps or liner sticking on the frame
- The tag is built to withstand harsh environments & chemical exposure
- Works seamlessly on all metallic surfaces

Applications:

- Bicycle / Vehicle Tracking
- Cylinder Tracking
- Product Authentication
- Supply Chain Management

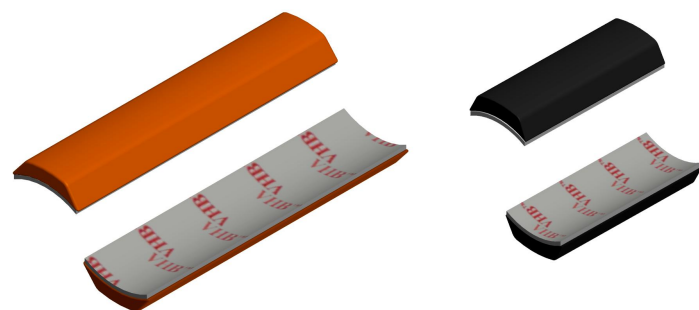


Figure 1: APK ID Bicycle Tag (Orange) and APK ID Bicycle Tag (Black)

Tag Specification Data

Ultra-High Frequency	
ISO Protocol	ISO 18000-63, EPC Class1 Gen2
Operating Frequency	860 - 960 MHz
IC Type	Impinj, NXP, Alien
Memory	IC dependent
Data Retention	Up to 50 years
Programming Cycle	Up to 100,000 cycles
Material	Special Thermoplastic
Dimension	63mm x16mm & 40mm x16mm
Identification distance	Approx 5M (Read ranges may vary depending on antenna type and reader power)

Environmental Test Data

Ingress Protection	IP67
Storage Temperature	-10°C to +70°C
Operating Temperature	-10°C to +70°C
Vibration Resistance	Excellent
Shock Resistance	Excellent
Impact Resistance	Good
Chemical Resistance	Highly resistive to Water, Washing agents, Ethanol, Detergents, Most oils and greases

Data Sheet

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