



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

The tag meets all requirements in terms of heat, pressure and chemical resistance in the applications concerning outdoor asset tracking that faces harsh weather condition and rough handling.

Tag Specification Data

	Ultra High Frequency
ISO Protocol	ISO 18000-6C, EPC Class1 Gen2
Operating Frequency	865-868/902-928MHz
IC Type	Alien, NXP
Memory	IC dependent
Data Retention	Up to 50 years
Programming Cycle	Up to 100,000 cycles
Material	ABS/PC
Dimension	150x25x10mm
Weight	Max 24.0g

Environmental Test Data

Ingress Protection	IP67
Storage Temperature	-5°C to +80°C
Operating Temperature	0°C to +80°C
Vibration Resistance	Excellent
Shock Resistance	Excellent
Impact Resistance	Good
Chemical Resistance	Highly resistive to Water Washing agents Ethanol Detergents Most oils and greases.

Features:

- Tag is built to withstand harsh environment & chemical exposure
- Work seamlessly on all metallic surfaces.
- Dust and water proof
- Optional configuration for free air application

Applications:

- Cargo and container tracking
- Automotive conveyances
- Returnable assets
- Industrial tools and equipment
- Warehouse racks and storage
- Forklifts and heavy machinery

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