

# ALPHA TAG



APK Identification Alpha Tag is a 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 conditions and rough handling.

**Features:**

- The tag is built to withstand harsh environment & chemical exposure
- Works seamlessly on all metallic surfaces.
- Dust and waterproof
- Optional configuration for free air application

**Applications:**

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

**Tag Specification Data**

	Ultra High Frequency
ISO Protocol	ISO 18000-6C, EPC Class1 Gen2
Operating Frequency	865-868/902-928MHz
IC Type	Alien, NXP, Impinj
Memory	IC dependent
Data Retention	Up to 50 years
Programming Cycle	Up to 100,000 cycles
Material	Special Thermoplastic
Dimension	150 x 25 x 10mm
Weight	Max 24.0g

**Environmental Test Data**

Ingress Protection	IP68
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 Alkaline solutions, Organic and inorganic acids, High boiling aliphatic Hydrocarbons , Most oils and greases, Domestic cleaning agents, Detergents, Perchloroethylene

Data Sheet

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