

CONTAINER TAG



APK ID Container 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.

Features:

Container Tag can be easily attached to any material through following:

- High pressure sensitive adhesive & Magnet layer.
- Used Integrated magnet helps strongly attached with the metal.
- Our Container Tag have 10 Kg pull force while attaching on metal surface with curing period of 30mins and can achieve 30 Kg pull force after 24 hrs of curing period.
- Ease of tagging on the upper side of the container wall with the help of an applicator or by hand.

Applications:

Due to its enhanced read range on metal and ruggedness the tags can be used for

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

Container Tag delivers exceptional read range as follows:

- More than 9 meter with fixed reader in test lab environment
- More than 5 meter @ +/- 60° (face on) with fixed reader in test lab environment
- More than 3 meter with hand held reader in test lab environment

Tag Specification Data

Ultra-High Frequency	
ISO Protocol	ISO 18000-63, EPC Class1 Gen2
Operating Frequency	860 - 960 MHz ETSI / FCC compliant
Memory	EPC : 96-bit / 128-bit TID : 64 bit /96 bit
Data Retention	Up to 10 years
Programming Cycle	Up to 10,000 cycles
Material	Thermoplastic
Dimension	69.5mm x 25 mm x 10.5mm
Weight	Less than 30 gram

Environmental Test Data

Ingress Protection	IP68
Storage Temperature	-40°C to +85°C
Operating Temperature	-40°C to +80°C
Survivability	-40°C to +80°C
Shock & Vibration Resistance	MIL STD 810-G
Impact Resistance	2Kg from 1meter height
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

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