



This RFID tag is designed for loop attachment to key rings or other items. It features high sensitivity signal reception , backscatter efficiency and high read/write reliability.

This highly compact passive RFID tag is designed for loop attachment to key rings or other items with similar style mounting requirements. It is ideal for the tracking of tools and equipment for real-time inventory visibility and automated check-out/check-in procedures and the tracking of keys used to gain access to secured asset such as vehicles and buildings.



The fob tag's unique, patent pending antenna design prevents detuning when in close proximity to liquids and metals, such as next to the body or on a keychain with other keys. This robust UHF RFID fob tag can be attached to tracked assets using a ring mount or tie wrap.

Key Features

- ✓ Low turn-on threshold
- ✓ High signal sensitivity and backscatter efficiency
- ✓ On-edge read/write
- ✓ High read/write reliability – takes advantage of multi-paths in metal rich environments
- ✓ Multi-stage wake up
- ✓ 60kb user-rewritable memory to store user information locally on tags (E-manifest, maintenance records, custody chain, history, etc.)
- ✓ Activation of selected group of tags – enables faster identification and storing of tagged items
- ✓ Highly compact form factor



Technical Specifications

| | |
|-----------------------------------|---|
| Device Type | Class 3 RFID (battery-assisted passive) single chip transponder |
| Operating Frequency | 902 to 928MHz (North America); 865 to 868MHz (Europe/India) |
| Modulation | Amplitude modulated forward link (reader to tag) Frequency modulated reverse link (tag to reader) |
| Date Rates | 8kb/s forward link 8kb/s or 32kb/s reverse link |
| Read/Write Range | Up to 25m (80ft) |
| Data Retention | 10 years at 85°C |
| Memory | 64kb total, 60kb rewritable non-volatile user memory |
| Battery Life | Up to 5 years depending on use; data is persistent and also readable at close range upon battery expiration |
| Enclosure Protection | IP55 |
| Operating and Storage Temperature | -20°C to 60°C/-4°F to 140°F |
| Shock | IEC 60068-2-32, test Ed |
| Vibration | IEC 60068-2-6, test Fc |
| Dimensions | 30mm × 30mm × 14mm/1.2'' × 1.2'' × 0.6'' (L × W × D) |
| Other Features | Password-controlled read, write, 1kb block level locking and permalock |





GAO RFID Inc.

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Celebrating Over 15 Year of Innovation

Product Overview

UHF RFID Fob Tag (136007)



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