



***This UHF RFID tag operates in the frequency band of 902 to 928MHz (USA) and 865 to 868MHz (EU). It offers good resistance against high temperatures (tunnel finisher) and harsh conditions of various cleaning methods.***

This UHF Gen 2 soft laundry tag is specially developed for laundry and garment application. Encapsulated within a flexible textile with a tiny chip module inside, the RFID tag offers good resistance against high temperatures (tunnel finisher) and harsh conditions of various cleaning methods (dry cleaning processes). It meets the extreme demands of rotary ironing and can be fixed onto any fabric using a regular heat sealing machine.

**Key Features**

- ✓ Compliant with ISO 18000-6C (Gen 2)
- ✓ Long reading distance
- ✓ Bulk reading
- ✓ High temperature resistant
- ✓ Suitable for rotary ironing
- ✓ Suitable for dry cleaning
- ✓ Discreet attachment in hemline possible





## 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)<br>Frequency modulated reverse link (tag to reader)        |
| Date Rates                        | 8kb/s forward link<br>8 kb/s or 32kb/s reverse link   |
| 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              | IP67  |
| 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                        | 75mm × 75mm × 15.8mm/2.95'' × 2.95'' × 0.62'' (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 Gen 2 Soft Laundry Tag (116417)**



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