

# UHF Fragile Label

**43 x 18 mm R6P**

The Fragile UHF Label is a tamper-evident, destructible RFID label designed to prevent reuse and protect product authenticity.

Once applied, the label's fragile structure ensures that any attempt to peel it off will destroy the inlay and antenna, making the tag permanently unreadable.

This provides a strong security layer for high-value goods, warranty control, asset protection, and anti-counterfeiting applications.

The product is complied with EPCglobal Class 1 Gen 2, ISO 9001 quality management and ISO 14001 environmental management standards, ensuring reliable, industry-grade performance for diverse use cases.

Equipped with the Impinj Monza R6P, the tag chip is optimized for serializing items such as apparel, electronics, cosmetics, pharmaceuticals, jewelry and various other products. It delivers unmatched read performance and data integrity for effective Item Intelligence applications and record-breaking encoding performance to enable the lowest applied tag cost. With the addition of user memory and range-reduction switch, advanced usages such as loss prevention safeguard system to protect operational data.

### Overview

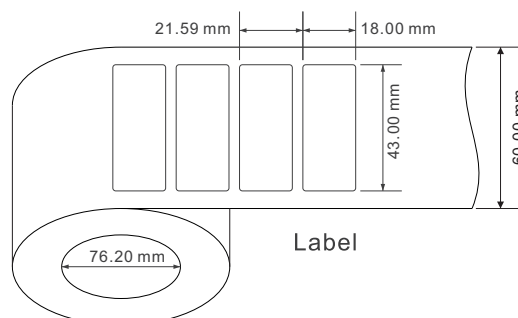
**Frequency Band**  
 UHF 860-960 MHz

**Chip Type**  
 Impinj Monza R6P

**Dimensions**  
 43 x 18 mm / 1.69 x 0.71 in

**Air Interface Protocol**  
 ISO/IEC 18000-63 Type C

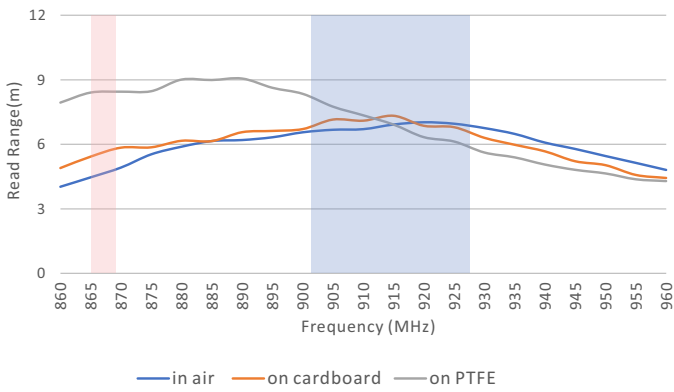
**Application**  
 Asset tracking  
 Vehicle windshield  
 Anti-counterfeiting  
 Access control



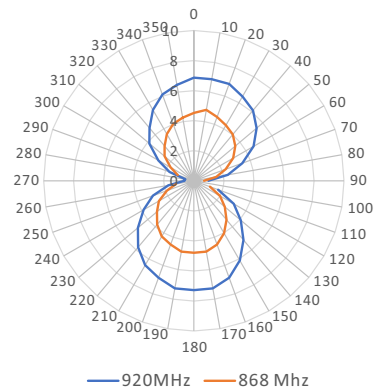
## Technical Features

|                          |  |
|--------------------------|--|
| Model                    | RC5001   |
| <b>RFID Features</b>     |  |
| Frequency                | 860-960 MHz  |
| Application              | Non metal  |
| Chip Type                | Impinj Monza R6P                                   |
| Memory                   | User-32(64) bits; EPC- 128(96) bits; TID - 96 bits |
| Data Storage             | > 20 years   |
| Re-write                 | 100,000 times                                      |
| <b>Physical Features</b> |  |
| Dimensions               | 43 x 18 mm / 1.69 x 0.71 in                        |
| Material                 | Coated Paper                                       |
| Adhesive                 | Hot Melt   |
| Operating Temperature    | -40°C to 85°C / -40°F to 185°F                     |
| Storage Condition        | 20±5°C, 50±10% RH, Store away from sunlight        |
| <b>Other Features</b>    |  |
| Installation             | Adhesive on clean & dry surface                    |
| Customization            | Printing, Encoding, Designing, etc.                |
| Package                  | 2,500 pcs / roll, 4 rolls / box                    |

## Read Range(2W ERP)



## Radiation Pattern



PS: The performance is theoretical values in the lab and the actual effect depends on the specific applications.

**RICHRFID**

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