



## Vibe 73 x 20 mm H10

The Vibe H10 from RICHRFID is a high-performance RFID label designed for apparel and fashion, library and archives, automotive, and warehouse logistics. It performs exceptionally well on packaging materials such as corrugated cardboard and plastic transport containers.

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

Equipped with the Alien Higgs 10 IC, it is ideal for high-volume RFID applications. Higgs 10 offers a flexible EPC memory structure supporting nominal 96-bit EPC formats, with expansion up to 128 bits for longer EPC formats. It also features up to 32 bits of optional User Memory data and a 48-bit unique TID for reliable item identification. The Alien IC is compatible with the global GS1 UHF Gen2 standard, standardized as ISO/IEC 18000-63.

With access and kill password functionality, the label supports secure data management and permanent tag deactivation when required in retail environments.

Measuring 73 x 20 mm, its compact format is suitable for printing QR codes, serial numbers, and other human-readable data, making it ideal for stacked packaging applications.

### Overview

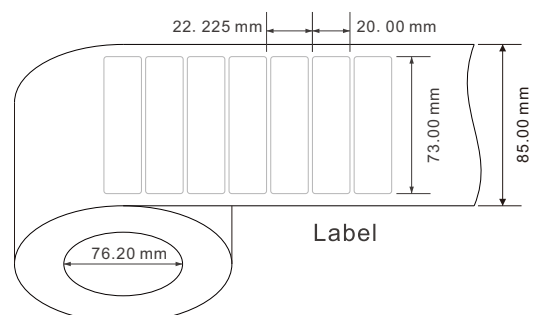
**Frequency Band**  
UHF 860-960 MHz

**Chip Type**  
Alien Higgs 10

**Dimension**  
73 x 20 mm / 2.87 x 0.787 in

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

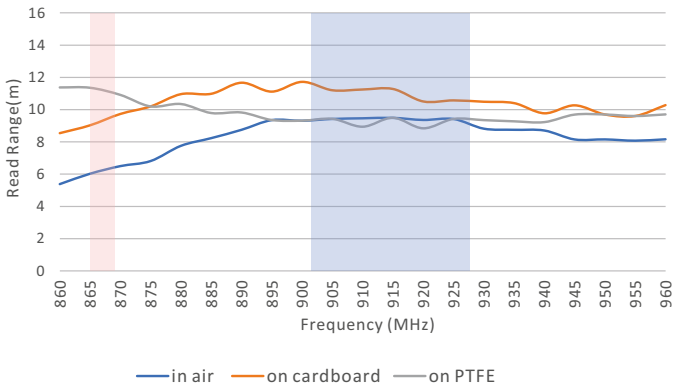
**Application**  
Retail & Apparel  
Asset tracking  
Smart packaging  
Authentication



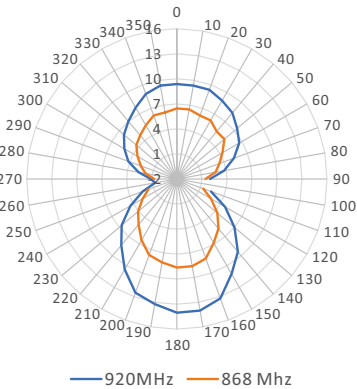


|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| Model                         | RC5071                                                                         |
| <b>RFID Features</b>          |                                                                                |
| Frequency                     | 860-960 MHz                                                                    |
| Application                   | Non metal                                                                      |
| Chip Type                     | Alien Higgs 10                                                                 |
| Memory                        | Up to 128 EPC bits (nominally 96 bits)<br>Up to 32 User bits (with 96 bit EPC) |
| Data Storage                  | > 10 years                                                                     |
| Re-write                      | 100,000 times                                                                  |
| <b>Physical Features</b>      |                                                                                |
| Dimension                     | 73 x 20 mm / 2.87 x 0.79 in                                                    |
| Material                      | Coated Paper                                                                   |
| Adhesive                      | Hot Melt                                                                       |
| Operating temperature         | -40°C to 85°C / -40°F to 185°F                                                 |
| Recommended 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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DISCLAIMER

All specifications are indicative and results may vary. Each user bears full responsibility for making its own determination as to the suitability of RICHRFID products, materials, services, recommendations, or advice for its own particular use.

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