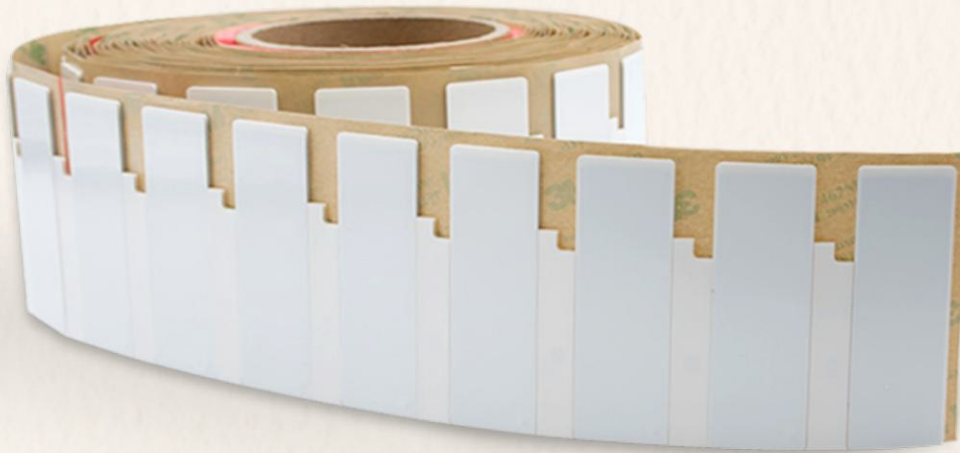




## Alien Higgs® 9 Tamper-Evident UHF On-Metal RFID Label

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SKU: RS-H9-OMPET3M-7525

Chip Type: Alien Higgs® 9

Frequency: UHF 865-868 MHz (EU)

Protocol: ISO/IEC 18000-63,  
EPC Class 1 Gen 2

EPC Memory: 96-496 bits

User Memory: 688 bits

Unique TID Memory: 48 bits

IP Rating: IP68

Industry: Logistics, Automotive, Aviation

Applications: Inventory, Asset Tracking, Warehouse,  
Electronics, Metal, Vehicle Tracking



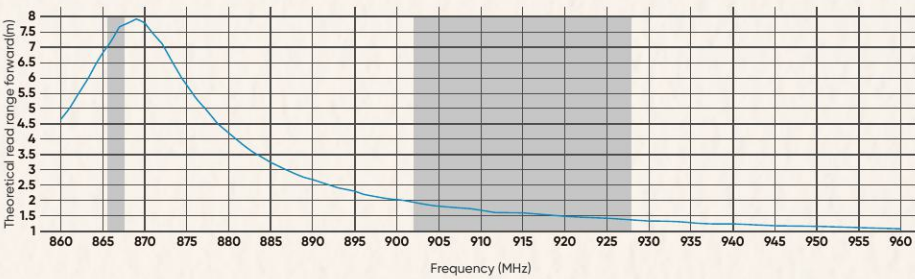
The 75×25 mm Alien Higgs® 9 Flexible & Printable UHF On-Metal RFID Label is a high-performance tagging solution optimized for metallic assets and industrial surfaces. Utilizing the latest Higgs® 9 chip, the label delivers excellent read accuracy, fast encoding speed, and extended read distances, ensuring dependable identification even in RF-challenging environments. Its flexible inlay design enables smooth application on flat, curved, or textured metal surfaces, making it suitable for asset tracking, equipment management, and warehouse logistics.

Additionally, its tamper-proof design, made from fragile material, ensures security—once installed, it will be damaged if removed, providing a clear indication of tampering.

Reading Performance

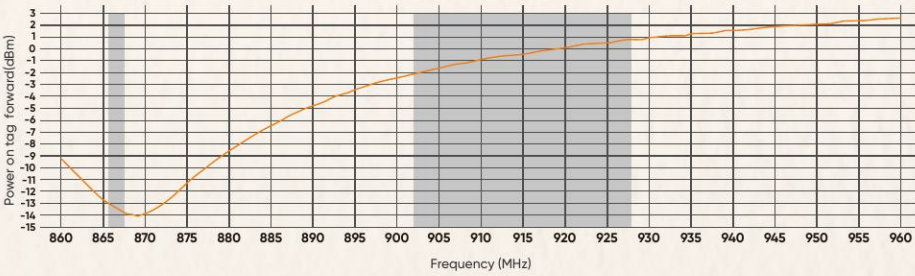
Reading Range Under Different Frequency

On metal



Tag Power Under Different Frequency

On metal



Physical Information

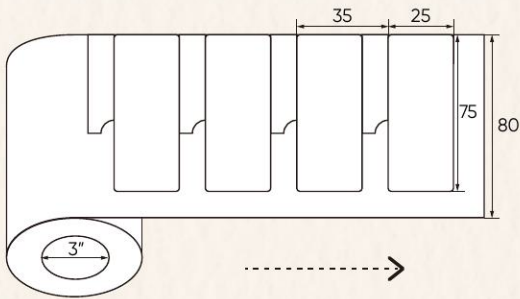
|                       |                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Material              | PET & Aluminum Foil & Foam                                                                                            |
| Label Size(L×W×T)     | 75×25×1.3 mm                                                                                                          |
| Operating Environment | -20℃~+50℃, 20%~80% RH                                                                                                 |
| Storage Environment   | +18℃~+28℃, 40%~60% RH                                                                                                 |
| Mounting Method       | Stick                                                                                                                 |
| Surface               | Paper Carton, Plastic, Wood, Metal                                                                                    |
| Support Printer       | SATO CL4NX, Zebra ZT410 Silverline, Postek TX3r, etc.                                                                 |
| Customization         | Printing LOGO, Barcode, Serial number, Encoding, Designing, etc.                                                      |
| IP Rating             | IP68, test for 5 hours at 1 m deep water                                                                              |
| Handling Precautions  | 1. Do not bend.<br>2. Keep away from water and collision.<br>3. Labels with black-dot marks are bad ones, do not use. |

Technical Information

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Operating Frequency         | 865~868 MHz (EU)                          |
| Communication Protocol      | ISO/IEC 18000-63, EPC Class 1 Gen 2       |
| Chip Type                   | Alien Higgs® 9                            |
| EPC Memory                  | 96~496 bits                               |
| User Memory                 | 688 bits                                  |
| Unique TID Memory           | 48 bits                                   |
| Read Range(Fixed Reader)    | 8 m on metal (ETSI), 15 m on metal (FCC)  |
| Read Range(Handheld Reader) | 3.5 m on metal (ETSI), 8 m on metal (FCC) |
| Security Features           | 32 bits Access & Kill Password            |

|                     |                  |                                             |
|---------------------|------------------|---------------------------------------------|
| Packing Information | Packing Format   | Packed in roll, vacuumed packing in ESD bag |
|                     | Core ID          | 3 inch(76.2 ± 0.50 mm)                      |
|                     | Packing Quantity | 500 pcs/roll, weight per roll 1 kg          |
|                     | Packing Weight   | 4 rolls/carton, G.W.: 4 kg                  |

Label Dimensions  
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment. ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage. ● **Product Updates and Revisions** rfidbridge.com may change products, specs, or services at any time without prior notice. ● **General Use Disclaimer:** Products are for general-purpose use and not intended for safety-critical or life-support applications. ● **Legal Notice:** Information is believed accurate but may change rfidbridge.com s not liable for use-related issues or outcomes.