



## WAFER-THIN HF/UHF ASSET TAGS FOR CONTAINERS OR METALLIC EQUIPMENT

- **Durability** - Resistant to outdoor elements as well as blunt and sharp impact.
- **Versatility** - Thin plates mount flush with glue or screws to any material.
- **Visibility** - Large surface may be printed or laser-engraved with logo, barcode, serial number or text.

HID Global InLine Tag™ Plate transponders are the ideal solution for tagging shipping containers or other metallic assets. Less than two-tenths of an inch (3.7 mm) thick, these tags mount flush to any surface. The high impact polycarbonate housings shield internal components from the environmental extremes and rugged treatment of industrial freight operations.

Standard grey RAIN UHF InLine Tag Plates provide excellent contrast for imprinting. HID can also produce plates in any color you choose. The large surface accommodates embossing, laser-engraving or adhesive labels for a logo, barcode, serial number or text message.

Tough and versatile, InLine Tag Plate transponders are available for mounting on metal, plastic or wood using standard nails, screws or industrial adhesives.

The tags are lightweight, dust tight, waterproof and protected against close-range high pressure, high temperature spray downs (IP69K).

InLine Tag Plates UHF improve data collection speed and accuracy for logistics applications, while making tracking more cost-effective. UHF technology enables

anti-collision functionality, fast data-rate communication and password data protection for precise, reliable tracking and updating. The plates can be read from distances of up to a 26 ft (8 m), and are compliant with EPC global-certified UHF Class 1 Gen 2 readers and modules.

The smaller HF/NFC asset tags utilize HID Trusted Tag® Services for authentic "proof of presence" while remaining fully NFC compatible without requiring a special APP.

InLine Plate Asset tags help organizations to implement accurate maintenance billing of serviceable equipment preventing fraud while providing an enhanced user interface for service technicians through their NFC phones.

The white asset tag version may be printed or laser engraved from stock, while the transparent version is custom built upon order with printing underneath the transparent housing for increased robustness and durability of the optical personalization.

### TECHNOLOGY HIGHLIGHTS:

- HF 13.56 MHz HID Trusted Tag® version NFC compatible for authenticated maintenance
- RAIN UHF Worldwide operating frequencies from 860 to 960 MHz (off-metal) or specialized (on-metal)
- Fully interoperable; standards-compliant
- Reliable performance on both metal and non-metal surfaces
- Waterproof under high pressure and temperature; chemical and impact resistant
- Mount with glue, nails, or screws

**APPLICATION AREAS:**

- **Asset Tracking and Logistics**
  - Postal and road toll management: truck, wagon and train tracking
  - Supply chain management: pallet and goods tracking
- **Automation and Manufacturing**
  - Materials and inventory and tracking
- **Returnable Transport Items**
  - Shipping container tracking
- **Waste Management**
  - Commercial and industrial bin identification
- **Maintenance and Inspection**
  - Trusted "proof of presence"
  - Supports CMMS (Computerized Maintenance Management System) via NFC

**SPECIFICATIONS**

|   | <b>InLine Tag™ Plate</b>   |  |  |
|---|--|--|--|
|   | <b>EU</b>  | <b>US</b>  | <b>Asset Tag</b>   |
| <b>Base Model Number</b>                            | 7A3900   | 6C698B   | 7H5901-101 (White)<br>7H5900-100 (Transparent)   |
|   | <b>ELECTRONIC</b>  |  |  |
| <b>Operating Frequency</b>                          | 860-960 MHz (Worldwide) off-metal;<br>865 MHz on-metal   | 860-960 MHz (Worldwide) off-metal;<br>915 MHz on-metal | 13.56 MHz  |
| <b>Chip Type</b>                                    | Monza 3  | Monza 4E   | HID Trusted Tag  |
| <b>Memory</b>                                       | 96 bit EPC + 64 bit TID  | 496 bit EPC + 96 bit TID + 128 bit user                | 8 KB   |
| <b>Anti-Collision</b>                               | Yes  |  |  |
| <b>Reading Distance (2W reader ERP, free space)</b> | Up to 26 ft (8 m) off-metal;<br>20 ft (6 m) on-metal   | Up to 23 ft (7 m) off-metal;<br>18 ft (5.5 m) on-metal |  |
|   | <b>PHYSICAL</b>  |  |  |
| <b>Dimensions</b>                                   | 4.7 × 2.7 × 0.14 in<br>(120 × 68 × 3.7 mm)   |  | 1.2 × 2.5 × 0.12 in<br>(30 × 65 × 3.5 mm)  |
| <b>Mounting Method</b>                              | Glue, nail or screw  |  | Glue, cable tie  |
| <b>Screw Fixation Hole</b>                          | Ø 0.16 in (4.2 mm)   |  | 0.47 in (12 mm)  |
| <b>Affixes To</b>                                   | All surfaces, including metal, plastic, wood   |  |  |
| <b>Housing Material</b>                             | PC/ABS high impact   |  | PC/PC Makrolon 2407  |
| <b>Color</b>  | Pantone warm gray 2U   |  | White<br>Transparent   |
| <b>Weight</b>                                       | 1.0 oz (27 g)  |  | 0.28 oz (8.5 g)  |
|   | <b>CHEMICAL AND MECHANICAL RESISTANCE</b>  |  |  |
| <b>Water</b>  | IP69K, 176° F (80° C), 100 bar, 30 sek. 16 l/min   |  | IP68, 6.6 ft. (2 m) x 24 h   |
| <b>Withstands Exposure To</b>                       | Mineral oil, petroleum, salt mist, vegetable oil   |  | Alcohol, aqueous solution of salts, fuel B, ammonium chloride (25%), hydrochloric acid (10%), salt water                     |
| <b>Environmental Test Conditions</b>                | 68° F (20° C), 100 h   |  |  |
| <b>Vibration</b>                                    | IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]  |  |  |
| <b>Shock</b>  | IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]  |  |  |
| <b>Impact</b>                                       | IEC 62262-IK06   |  |  |
| <b>Axial/Radial Force</b>                           | 500 N, 10 sec  |  |  |
|   | <b>THERMAL</b>   |  |  |
| <b>Storage</b>                                      | -40° to +185° F (-40° to +85° C), 1 x 1000 h   |  |  |
| <b>Operating</b>                                    | -40° to +185° F (-40° to +85° C)   |  |  |
| <b>Shock/Fatigue</b>                                | -40° to +185° F (-40° to +85° C), 100 x 5 min with 30 sec transition   |  |  |
|   | <b>OTHER</b>   |  |  |
| <b>Standards</b>                                    | UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364   |  | ISO 14443A - NFC Tag Type 4  |
| <b>Options</b>                                      | Custom colors. Embossing or laser-engraving of logo, barcode or text. (Standard tags have no laser-engraving.) |  | Surface printing; laser engraving (white model only). Encoding: All tags need to be ordered with your URL programmed by HID. |
| <b>Box Size</b>                                     | 240 pcs.   |  | 300 pcs.   |
| <b>Warranty</b>                                     | 2 Years  |  |  |


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