

### UHF | RAIN - Tags HID - Adept Tag

- Comes with Alien or Impinj chips
- IP68 protection
- Up to 5 meter reading range
- Suitable for on metal mounting



### UHF | RAIN - Heavy Duty Tags Ultra Rugged RFID

One of the reasons HID has the largest product portfolio in the market is our ability to create custom-designed products to fit very specific customer needs. Sometimes these products remain custom for a specific application — but at other times they can become products marketed to our global customer base.

From strap attachment tags for large cylinders, via hang tags for cables, to high-memory passive RFID labels, steel-encased tags for very heavy industry and tiny, unobtrusive embedded tags, this family of industrial RFID tags is designed to meet specialty use cases and non-traditional applications.

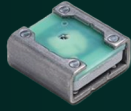
The Adept tag range includes several examples of rugged, industrial custom products but is by no means an exhaustive list. For any special RFID needs, please inquire with us to learn how HID's proven custom design and manufacturing capabilities may help improving your specific use case.

### Common Applications

- Tagging gas cylinders
- Industrial applications
- Tagging pipes and valves
- Automotive applications
- Perfect for harsh environments



400



400 DATA



360



500



| OEM Part Number (P/N)  | CP13676                                                           | CP08728-02                                                        | CP16803                                                                                | CP16202 (MR6-P)<br>CP15694 (H9)                                                        |
|------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Frequency              | 865-928 MHz (Global)                                              | 865-928 MHz (Global)                                              | 865-928 MHz (Global)                                                                   | 865-928 MHz (Global)                                                                   |
| IC type                | Monza 4QT                                                         | M730                                                              | Higgs 9 (UHF)<br>NXP I-Code (HF opt.)                                                  | Monza R6-P or Higgs 9                                                                  |
| Chip memory            | 128 bit EPC + 96 bit TID<br>+ 512 bit user memory                 | 128 bit EPC                                                       | 96 bit EPC + 96 bit TID<br>+ 688 bit user memory                                       | 28/96 bit EPC, 32/64 bit UM,<br>(MR6-P)                                                |
| Reading Distance       | Up to 4 m                                                         | Up to 4 m                                                         | Up to 5 m<br>Up to 0.1 m (HF)                                                          | Up to 5 m                                                                              |
| Dimensions             | 36.5 x 36.5 x 16,5 mm                                             | 37.5 x 12.5 x 4.5 mm                                              | 136.5 x 48 x 5.5 mm                                                                    | 37 x 37 x 11.5 mm                                                                      |
| Mounting Method        | Metal strap, wire rope                                            | Film adhesive and tether hole                                     | Tether attachment                                                                      | Foam                                                                                   |
| Affixes To             | All surfaces, including metal                                     | All surfaces, including metal                                     | All surfaces, including metal                                                          | All surfaces, including metal                                                          |
| Housing Material       | High temperature synthetic<br>label                               | High temperature synthetic<br>label                               | Polyimide                                                                              | Polyimide                                                                              |
| Water                  | IP68                                                              | IP54                                                              | IP68                                                                                   | IP68                                                                                   |
| Withstands Exposure To | Mineral oil, vegetable<br>oil, motor oil                          | Mineral oil, vegetable<br>oil, motor oil                          | Mineral oil, 5% caustic soda (24<br>Hrs.), 10% salt water, vegetable<br>oil, motor oil | Mineral oil, 5% caustic soda (24<br>Hrs.), 10% salt water, vegetable<br>oil, motor oil |
| Vibration & Shock      | MIL STD 810-G                                                     | MIL STD 810-F                                                     | MIL STD 810-F                                                                          | MIL STD 810-F                                                                          |
| Storage                | -40° to +85° C                                                    | -40° to +85° C                                                    | -40° to +85° C                                                                         | -40° to +85° C                                                                         |
| Operating              | -20° to +85° C                                                    | -5° to +55° C                                                     | -40° to +85° C                                                                         | -20° to +65° C                                                                         |
| Standards              | UHF EPC Class 1 Gen 2,<br>ISO 18000-6C, ISO 17364,<br>DIN 40050-9 | UHF EPC Class 1 Gen 2,<br>ISO 18000-6C, ISO 17364,<br>DIN 40050-9 | UHF EPC Class 1 Gen 2,<br>ISO 18000-6C, ISO 17364,<br>DIN 40050-9                      | UHF EPC Class 1 Gen 2,<br>ISO 18000-6C, ISO 17364,<br>DIN 40050-9                      |
| Box Size               | 1,000 pcs.                                                        | 1,000 pcs.                                                        | 1,000 pcs.                                                                             | 1,000 pcs.                                                                             |