

# DATASHEET

## STA UHF Micro Tag

Micro tag is the UHF mount on metal tag, which for its size provides unparalleled performance. It offers new possibilities for companies to improve their Asset management, especially computers and other devices that contain variable information.



### Electrical Specification

|                        |   |
|------------------------|---|
| Air Interface Protocol | ISO/IEC 18000-6C, EPC Global C1G2             |
| Operational Frequency  | 865 – 868 MHz or 902 – 928 MHz                |
| Chip**                 | Alien Higgs-3                                 |
| Memory Configuration   | EPC-96 bits, extendible to 480bits            |
|                        | TID – 96 bits unalterable unique              |
|                        | User memory – 512 bits                        |
|                        | Access password – 32 bits                     |
|                        | Kill password – 32 bits                       |
| Read Range*            | On metal – Up to 7 m<br>Off metal – Up to 2 m |

### Physical / Mechanical Specification

|                   |                        |
|-------------------|------------------------|
| Dimensions        | 52 x 16 x 8.5 ± 0.2 mm |
| Colour**          | Grey                   |
| Weight            | 5 g                    |
| Encasement        | PC / ABS High Impact   |
| Quality Assurance | 100% reader tested     |

### Environmental Resistance

|                           |                                  |
|---------------------------|----------------------------------|
| Operating temperature     | -40°C to +85°C                   |
| Storage temperature       | -40°C to +85°C                   |
| Ingress protection rating | IP67                             |
| Attachment***             | Riveting/Screw/Magnetic/Adhesive |
| Applicable surface        | Metal                            |

### Chemical Resistance

|  |
|--|
| Resistant to continuous exposure to salt water for 2 hours |
| Resistant to continuous exposure to motor oil for 2 hours  |
| Additionally, abrasion resistant against HCL and IPA       |

### Additional Services

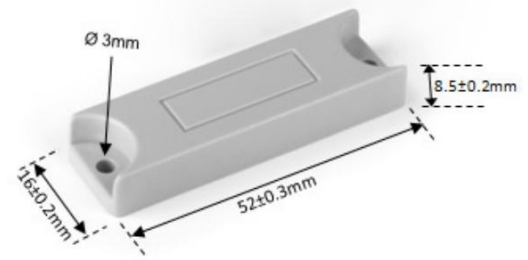
|                  |                                 |
|------------------|---------------------------------|
| Pre-encoding     | On request                      |
| Customization*** | Logo / text printing on request |

- \* Actual Read range may vary depending upon the reader and environmental factor
- \*\* Other on request
- \*\*\* Available as an option at extra cost

### Order Information

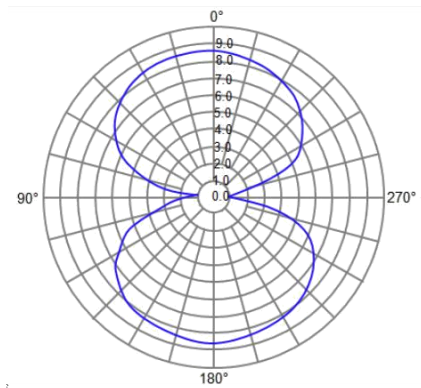
| Part No.    | Description                                |
|-------------|--|
| U3411510-EU | Alien higgs-3 chip tuned at ETSI frequency |
| U3411510-US | Alien higgs-3 chip tuned at US frequency   |
| U3411512-EU | Alien higgs-4 chip tuned at ETSI frequency |
| U3411512-US | Alien higgs-4 chip tuned at US frequency   |

### Dimensions



### Radiation Pattern Graph

(Orientation v/s Read Range Orientation)



### Linear Frequency Graph

(Frequency v/s Read Range Orientation)

