



**Functional Specifications:**

|  |                                      |
|--|--------------------------------------|
| RFID Protocol:                                   | EPC Class1 Gen2, ISO18000-6C         |
| Frequency:                                       | US(902-928MHZ), EU(866-868MHZ)       |
| IC type:   | Alien Higgs-3                        |
| Memory:  | EPC 96bits , USER 512bits, TID64bits |
| Write Cycles:                                    | 100,000 times                        |
| Functionality:                                   | Read/write                           |
| Data Retention:                                  | 50 Years                             |
| Applicable Surface:                              | Metal Surfaces                       |
| Read Range :<br><small>(Fix Reader)</small>      | 2.0m, On metal                       |
| Read Range :<br><small>(Handheld Reader)</small> | 1.0m, On metal                       |
| Warranty:  | 1 Year                               |

**Physical Specification:**

|                   |            |
|-------------------|------------|
| Size:             | 10.0x5.0mm |
| Thickness:        | 3.0mm      |
| Material:         | Ceramic    |
| Colour:           | Black      |
| Mounting Methods: | Adhesive   |
| Weight:           | 1.4g       |

**Environmental Specification:**

|                        |  |
|------------------------|--|
| IP Rating:             | IP68                                       |
| Storage Temperature:   | -40°C to +150°C                            |
| Operation Temperature: | -40°C to +85°C                             |
| Certifications:        | Reach Approved, RoHS Approved, CE Approved |

**Dimensions:**

