



### Functional Specifications:

|                                   |                                                                    |
|-----------------------------------|--------------------------------------------------------------------|
| RFID Protocol:                    | EPC Class1 Gen2, ISO18000-6C                                       |
| Frequency:                        | US(902-928MHZ), EU(866-868MHZ)                                     |
| IC type:                          | Alien Higgs-3                                                      |
| Memory:                           | EPC 96 bits , USER 512 bits, TID 64 bits                           |
| Write Cycles:                     | 100,000 times                                                      |
| Functionality:                    | Read/write                                                         |
| Data Retention:                   | 50 Years                                                           |
| Applicable Surface:               | Metal Surfaces                                                     |
| Read Range :<br>(Fix Reader)      | 6.5m, US(902-928MHZ), On metal;<br>5.5m, EU(866-868MHZ), On metal; |
| Read Range :<br>(Handheld Reader) | 4.6m, US(902-928MHZ), On metal;<br>3.8m, EU(866-868MHZ), On metal. |
| Warranty:                         | 1 Year                                                             |

### Physical Specification:

|                   |             |
|-------------------|-------------|
| Size:             | 25.0x25.0mm |
| Thickness:        | 3.0mm       |
| Material:         | Ceramic     |
| Colour:           | Black       |
| Mounting Methods: | Adhesive    |
| Weight:           | 9.6g        |

### Environmental Specification:

|                        |                                            |
|------------------------|--------------------------------------------|
| IP Rating:             | IP68                                       |
| Storage Temperature:   | -40°C to +150°C                            |
| Operation Temperature: | -40°C to +100°C                            |
| Certifications:        | Reach Approved, RoHS Approved, CE Approved |

### Dimensions:

