



### 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>(Fix Reader)      | 70cm , On metal                      |
| Read Range :<br>(Handheld Reader) | 40cm , On metal                      |
| Warranty:                         | 1 Year                               |

### Physical Specification:

|                   |            |
|-------------------|------------|
| Size:             | 10.0x1.8mm |
| Thickness:        | 1.8mm      |
| Material:         | Ceramic    |
| Colour:           | Black      |
| Mounting Methods: | Adhesive   |
| Weight:           | 0.5g       |

### 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:

