

## High Temperature UHF Metal TAG

**OPP4215/OP2019**

**Withstands: 280°C for 50 minutes, 250°C for 150minutes**



### Functional Specifications:

|   | OPP4215  | OPP2019  |
|---|--|--|
| RFID Protocol:  | EPC Class1 Gen2, ISO18000-6C   |  |
| Frequency:  | (US) 902-928MHz, (EU) 865-868MHz                                     |  |
| IC type:  | Alien Higgs-4  |  |
| Memory:   | EPC 128bits, USER128bits, TID64bits                                  |  |
| Write Cycles:   | 100,000 times  |  |
| Functionality:  | Read/write   |  |
| Data Retention:   | Up to 50 Years   |  |
| Applicable Surface:   | Metal Surfaces   |  |
| Read Range :<br><small>(Fix Reader: ThingMagic M6-E, 36dBm/4W)</small>    | 680cm-(US) 902-928MHz, on metal;<br>700cm-(EU) 865-868MHz, on metal; | 250cm-(US) 902-928MHz, on metal;<br>270cm-(EU) 865-868MHz, on metal; |
| Read Range :<br><small>(Handheld Reader: OP9908, R2000, 33dBm/2W)</small> | 530cm-(US) 902-928MHz, on metal;<br>550cm-(EU) 865-868MHz, on metal; | 120cm-(US) 902-928MHz, on metal;<br>140cm-(EU) 865-868MHz, on metal; |
| Warranty:   | 1 Years  |  |

### Physical Specification:

|                   |                           |                           |
|-------------------|---------------------------|---------------------------|
| Size:             | 42x15mm, (Hole: D4mmx2)   | D:20mm, (Hole: D2mmx2)    |
| Thickness:        | 2.1mm, 2.8mm with IC bump | 2.1mm, 2.8mm with IC bump |
| Material:         | High Temperature Material |                           |
| Colour:           | Black                     |                           |
| Mounting Methods: | Adhesive, Screw           |                           |
| Weight:           | 2.2g                      | 1.0g                      |

### Environmental Specification:

|                        |   |
|------------------------|---|
| IP Rating:             | IP68  |
| Storage Temperature:   | -55°C to +200°C<br>(280°C for 50 minutes, 250°C for 150minutes) |
| Operation Temperature: | -40°C to +150°C<br>(working 10hours in 180°C)                   |
| Certifications:        | Reach Approved, RoHS Approved, CE Approved                      |

\*Supply OEM/ODM service.