Omni-ID®
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# [ Products ] you can identify with

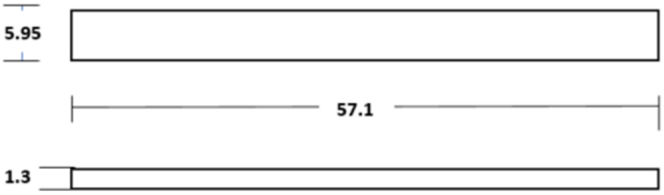
## Fit 210 HT

The Fit 210 is a High Temperature RFID tag capable of surviving cycling applications with temperatures to 225°C. Its narrow, low profile, small form-factor make the Fit 210 an ideal tag for inte- gration within finishing processes, such as dipping, coating, heat shrinking and moulding in the harshest of environments.

### Physical Specifications

| | |
|---|---|
| **Material** | Finish - red |
| **Size** | 57.1 x 5.95 x 1.3 mm, 2.25.x 0.23 x 0.05 in |
| **Weight (g)** | 1.0 |
| **Attachment** | Film adhesive (included) For placement only in applications exceeding +85c |

### Dimensions




Measurements shown in mm

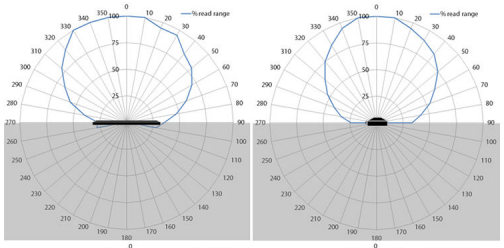
### RF Specifications

| | |
|---|---|
| **Radio Protocol** | EPC Class 1 Gen2v2 |
| **Frequency Range** | 866 – 868 MHz (EU)<br>902 – 928 MHz (US) |
| **Read Range – Fixed Reader** | Up to 2m (6.6 feet) |
| **Read Range – Handheld Reader** | Up to 1m (3.3ft) |
| **Material Compatibility** | Metal |
| **IC Type (Chip)** | Alien Higgs 3 |
| **Memory** | EPC - 96 bits<br>User - 512 bits<br>Unique TID - 64 bits |

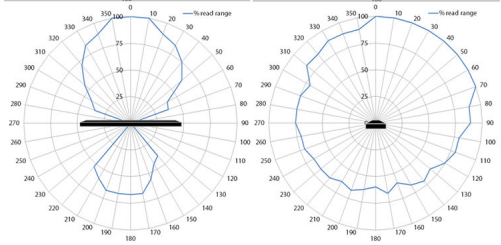
EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

### Radiation Patterns

On Metal



On Plastic



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With its low profile and durable design, Omni-ID's Fit 210 tags are ideally suited to tool tracking and embedding applications such as:

- Hand tools, including wrenches and ratchet tools
- Integration within IT assets at point of manufacture
- Paint processes in automotive
- Healthcare — high temperature sterilization

## Certifications

CE, RoHS, Ex, ATEX/IECEx certified (option), US&Canada (C1D1/D2) certified (option)

## Environmental Specifications

| | |
|---|---|
| **Operating Temperature** | –20°C to +85°C |
| **Max Temperature Exposure** | -20°C to +225°C |
| **IP Rating** | IP68 |

## Ordering Information

| | |
|---|---|
| **Product Options** | 303 (Customization)<br>304 (ATEX/IECEx certified)<br>307 (US&Canada [C1D1/D2] certified)<br>701 (Standard Service Bureau) *Label is not rated for high temperatures |
| **Part Number / Order Codes / Order Numbers** | 123 (EU, US) |

For product or technology inquiries email: **sales@omni-id.com**.
Visit **omni-id.com** to learn more about the complete line of **Omni-ID RFID** products