

## Omni-ID® Fit 400P

Omni-ID Fit 400P is a small form factor, high performance RFID tag optimized for attachment to non-metallic assets and plastic materials. Fit 400P features a high sensitivity RF design and broad read angle enabling handheld and portal reading. Compatible with finishing processes including heat shrink, potting and injection moulding, Fit 400P is an excellent covert tag solution.

### Building Intelligent Supply Chains

With its small form and high performance, Omni-ID Fit 400P tags are ideally suited to asset tracking applications including:

- ▶ Plastic handles on hand tools.
- ▶ Small Plastic tools.
- ▶ Surface mounting on plastic components on larger high value assets.

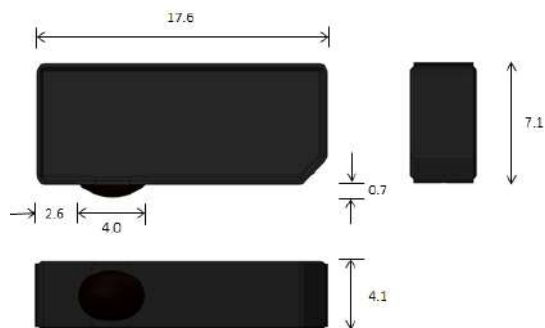
### Physical Specifications

Finish US - painted black  
EU - painted white

Size (mm) 17.6 x 7.1 x 4.1  
(tolerance) +/- 0.5

Size (in) 0.70 x 0.28 x 0.16  
(tolerance) +/- 0.02

Weight (g) 2.6



Dimensions stated in mm

### RF Specifications

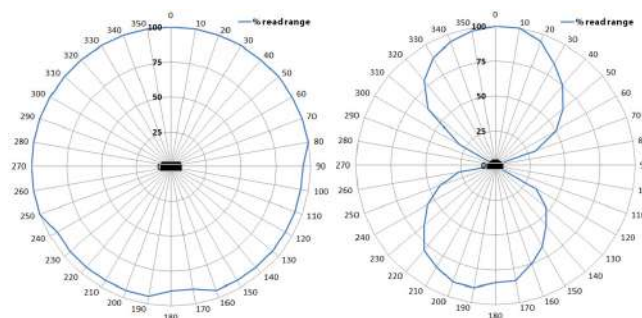
|   |  |
|---|--|
| Protocol                                  | EPC Class 1 Gen2                               |
| Frequency Range (MHz)                     | 866-868 (EU)<br>902-928 (US)                   |
| Read Range (Fixed reader) <sup>1</sup>    | Up to 3.5m (11.5ft)                            |
| Read Range (Handheld reader) <sup>1</sup> | Up to 1.75m (6.0ft)                            |
| Material Compatibility                    | Plastic and non-metallic substrates            |
| IC Type (chip)                            | Alien H3                                       |
| Memory <sup>2</sup>                       | EPC - 96bits<br>User - 512bits<br>TID - 64bits |

1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

### Radiation Patterns

#### On Plastic



## Related Products and Services

- ▶ **Omni-ID Fit 210** - Low profile RFID tag optimized for application to small metal assets and for embedding.
- ▶ **Omni-ID Fit 200** - Extremely small footprint tag for tracking very small metal assets.
- ▶ **Omni-ID Fit 400** - Small footprint tag with longer read distance for metal assets.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



## Environmental Specifications

|                       |   |
|-----------------------|---|
| Storage Temperature   | -20°C to +85°C  |
| Operation Temperature | -20°C to +85°C  |
| Survivability         | -20°C to +85°C  |
| IP Rating             | IP68  |
| Shock and Vibration   | MIL STD 810-F   |
| Attachment            | Permanent liquid adhesive (not included)<br>Film adhesive (option)                                      |
| Certifications        | RoHS approved<br>CE approved<br>ATEX/IECEx certified (option)<br>US&Canada (C1D1/D2) certified (option) |
| Warranty              | 1 year  |

## Ordering Information

|               |   |
|---------------|---|
| Order Numbers | 052 – EU, US<br>:304 (ATEX/IECEx certified)<br>:307 (US&Canada (C1D1/D2) certified)<br>:502 (film adhesive)<br>:701 (Standard Service Bureau)<br>:702 (Custom Service Bureau) |
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