

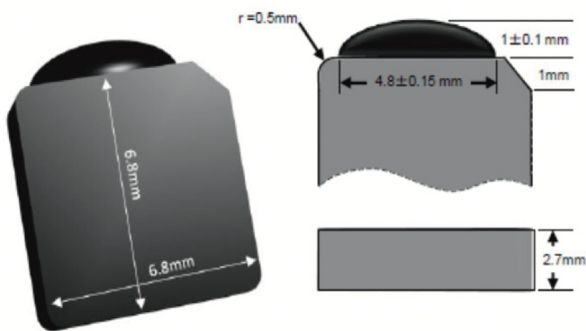
[Products] you can identify with



Physical Specifications

| | |
|-------------------|--|
| Material | Painted Black |
| Size | 6.8 x 6.8 x 2.7 without IC bump 7.8 x 6.8 x 2.7 including IC bump +/- 0.5 mm, 0.27 x 0.27 x 0.11 +/- 0.02 in |
| Weight (g) | 0.6 |
| Attachment | Film Adhesive (included) for placement only, in applications exceeding +85c |

Dimensions



Measurements shown in mm

Fit 220 HT

Omni-ID's Fit 220 High Temperature tag is the smallest regional RFID tag with the capability to survive cycling applications to +235oC. The performance of the Fit 220 tag is not sacrificed by its small size and it is an ideal solution for tracking very small metal assets where space is limited.



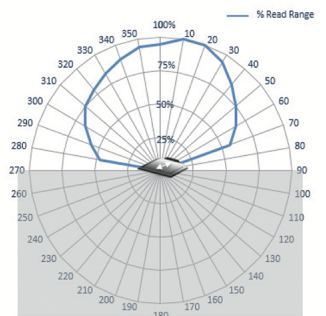
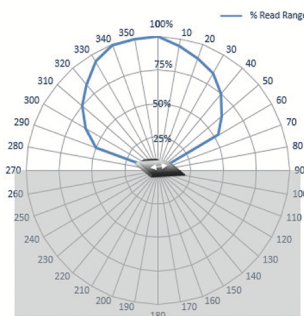
RF Specifications

| | |
|-------------------------------------|--|
| Radio Protocol | EPC Class 1 Gen2v2 |
| Frequency Range | 866 – 868 MHz (EU) 902 – 928 MHz (US) |
| Read Range – Fixed Reader | Up to 2.2m (7.2 feet) |
| Read Range – Handheld Reader | Up to 1.4m (4.6 feet) |
| On Metal or Balanced | Optimized for metal |
| Material Compatibility | Metal |
| IC Type (Chip) | Alien Higgs 3 |
| Memory | EPC - 96 bits User - 512 bits Unique TID - 64 bits |

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

Radiation Patterns

On Metal



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With its regional performance, high temperature capability and very small form factor, the Omni-ID Fit 220 tags are ideally suited to tracking small metal assets in applications such as:

- Small Hand Tools
- Healthcare instruments
- IT assets

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 +235°C |
| IP Rating | IP68 |
| Shock & Vibration Tolerance | MIL-STD-810 G |

Ordering Information

| | |
|--|--|
| Warranty | 1 years |
| Product Options | :303 (Customization) :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) Label is not rated for high temperatures |
| Part Number / Order Codes / Order Numbers | 155 (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