

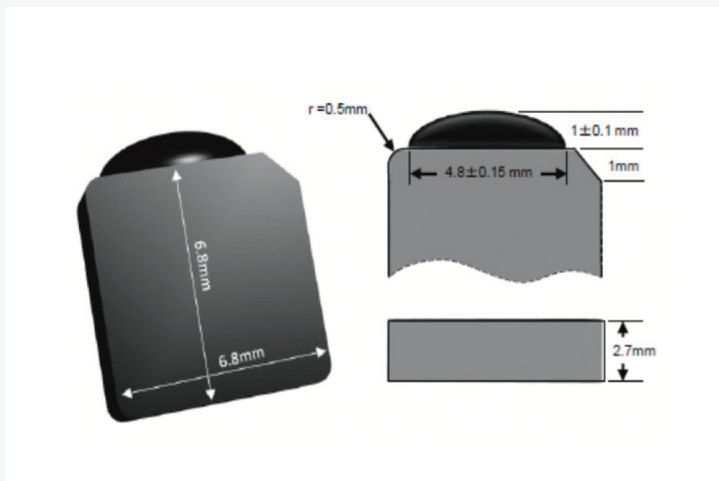
## [ Products ] you can identify with



### Physical Specifications

<b>Material</b>	Painted Black
<b>Size</b>	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
<b>Weight (g)</b>	0.6
<b>Attachment</b>	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.

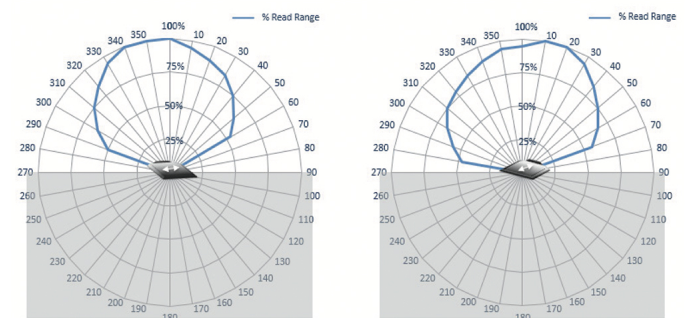
### RF Specification

<b>Radio Protocol</b>	EPC Class 1 Gen2v2
<b>Frequency Range</b>	866 – 868 MHz (EU) 902 – 928 MHz (US)
<b>Read Range – Fixed Reader</b>	Up to 2.2m (7.2 feet)
<b>Read Range – Handheld Reader</b>	Up to 1.4m (4.6 feet)
<b>On Metal or Balanced</b>	Optimized for metal
<b>Material Compatibility</b>	Metal
<b>IC Type (Chip)</b>	Alien Higgs 3
<b>Memory</b>	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

### Environmental Specifications

<b>Operating Temperature</b>	-20°C to +85°C
<b>Max Temperature Exposure</b>	-20°C to +235°C
<b>IP Rating</b>	IP68
<b>Shock &amp; Vibration Tolerance</b>	MIL-STD-810 G

### Certifications

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



### Ordering Information

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

For product or technology inquiries email: [sales@omni-id.com](mailto:sales@omni-id.com).

Visit [omni-id.com](http://omni-id.com) to learn more about the complete line of **Omni-ID RFID** products