

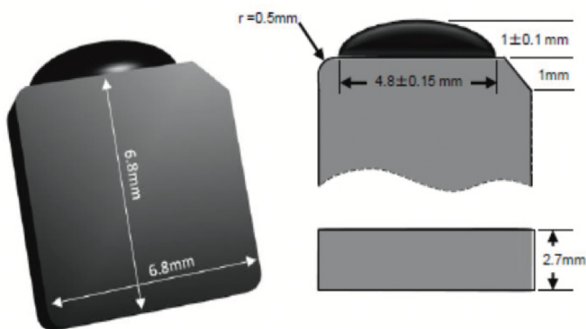
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Physical Specifications

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.

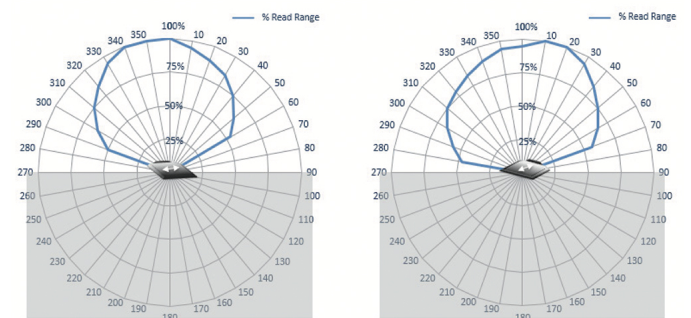
RF Specification

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

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

Certifications

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



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)