Omni-ID®
Intelligent Tracking & Monitoring Devices

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Fit 210 HT

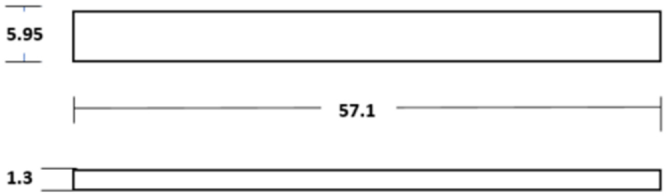
The Fit 210 is a High Temperature RFID tag capable of surviving cycling applications with temperatures to 225oC. Its narrow, low profile, small form-factor make the Fit 210 an ideal tag for inte- gration within finishing processes, such as dipping, coating, heat shrinking and moulding in the harshest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

Applications

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

Dimensions



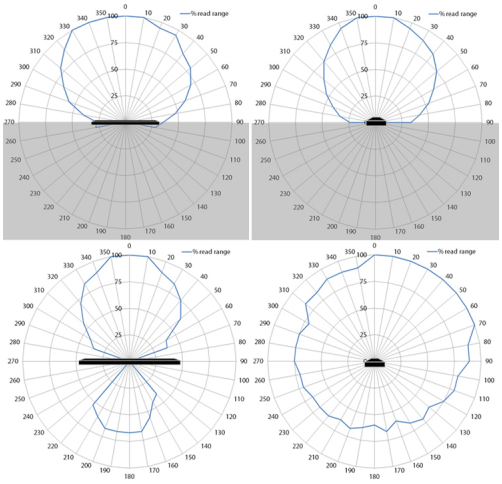
Measurements shown in mm

Physical Specifications

Material	Lorem ipsum
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

Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance.

Radiation Patterns



Visit **omni-id.com** to learn more about the complete line of **Omni-ID RFID** products

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Environmental Specifications

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

Certifications

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

Operational Specifications

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	866 – 868 MHz (EU) 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 User - 512 bits Unique TID - 64 bits

Quoted performance achieved using standard testing methodology on Aluminium test plates. Read range is dependent on multiple factors such as; RFID reader transmit power and receiver sensitivity, asset material and environment. Please see the Omni-ID On Metal Labels User Guide for more detail.
2 EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Ordering Information

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	123 (EU, US)