

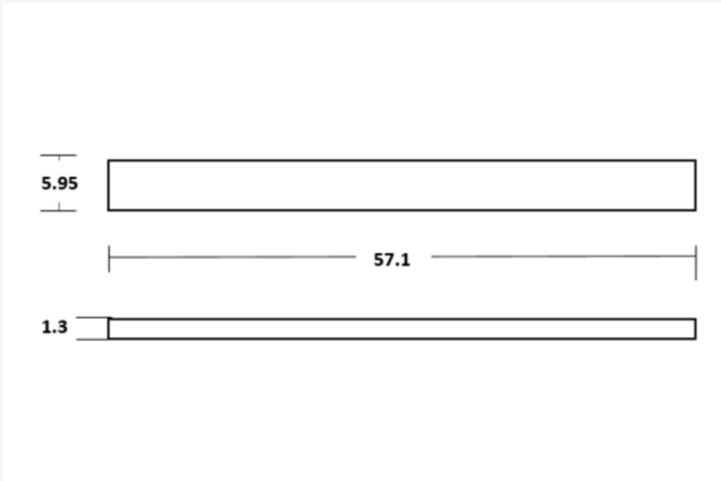
[Products] you can identify with



Physical Specifications

| | |
|-------------------|---|
| Material | Red |
| 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 |

Dimensions



Measurements shown in mm

Fit 210

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

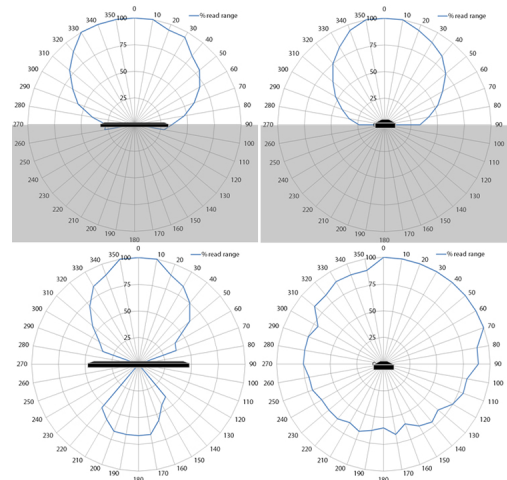


RF Specifications

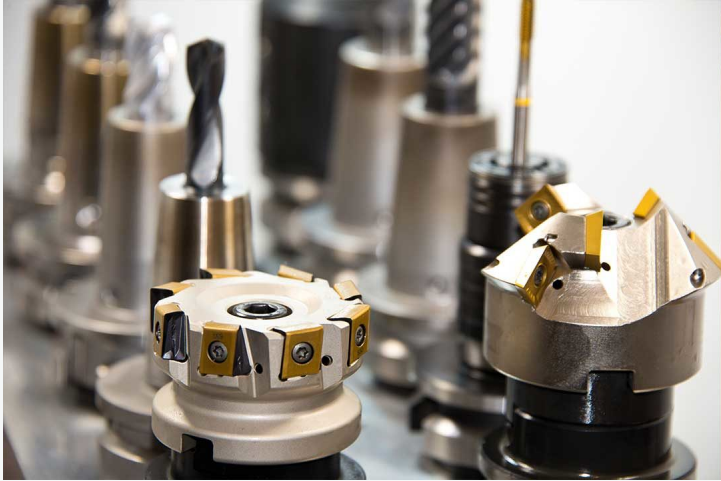
| | |
|-------------------------------------|--|
| Radio Protocol | EPC Class 1 Gen2v2 |
| Frequency Range | 866 – 868 MHz (EU) 902 – 928 MHz (US) |
| Read Range – Fixed Reader | Up to 2m (6.6 feet) |
| Read Range – Handheld Reader | Up to 1m (3.3ft) |
| On Metal or Balanced | Optimized for metal |
| 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



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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

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 +225°C |
| IP Rating | IP68 |
| Shock & Vibration Tolerance | MIL-STD-810 G |

Ordering Information

| | |
|--|---|
| Warranty | 1 year |
| 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) |

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