

[Products] you can identify with



Fit 400

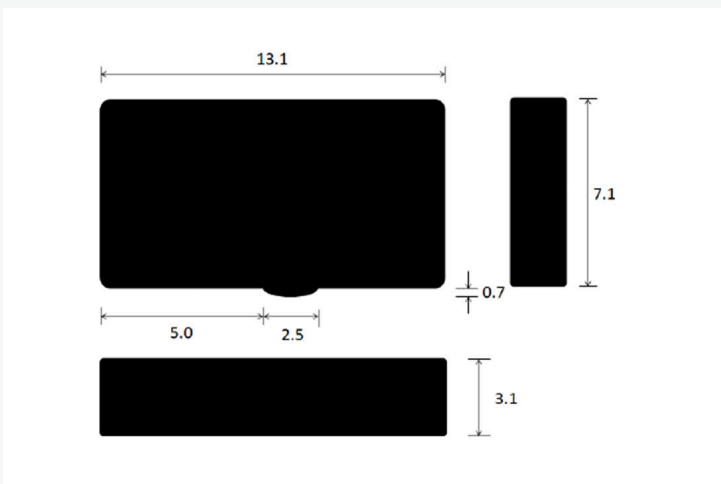
The Fit 400 is a small form factor, High Temperature RFID tag capable of surviving cycling applications with temperatures to 235°C. Don't sacrifice performance for size. With up to a 4 meter read range, the Fit 400 is the perfect solution when space is limited, but performance is demanded.

Applications

With its small form, high temperature capability and high performance, the Omni-ID Fit 400 tags are ideally suited to tracking small metal assets such as:

- Metal hand tools
- Metal IT assets including covert tracking
- Embedding into metal components
- Autoclaves and high temperature sterilizations

Dimensions



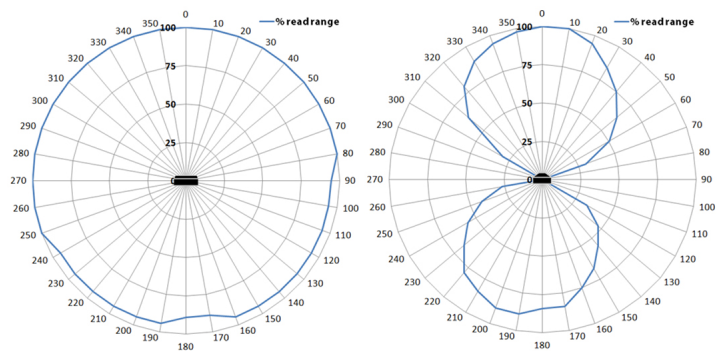
Measurements shown in mm

Physical Specifications

Material	Painted Black
Size	13.1 x 7.8 x 3.1 IC bump +/-0.5 mm 0.52 x 0.31 x 0.12 including IC bump +/-0.02 in
Weight (g)	1.6
Attachment	Film Adhesive (included) for placement only in applications exceeding +85°C

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



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Environmental Specifications

Operating Temperature	-20°C to +85°C
Max Temperature Exposure	-20°C to +235°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 4m (13.1 feet)
Read Range – Handheld Reader	Up to 2m (6.5 feet)
On Metal or Balanced	Optimized for metal
Material Compatibility	Metal
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

Warranty	1 year
Product Options	:304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :508 (premium foam) :701 (Standard Service Bureau)
Part Number / Order Codes / Order Numbers	124 (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