

[Products] you can identify with



Flex 1200

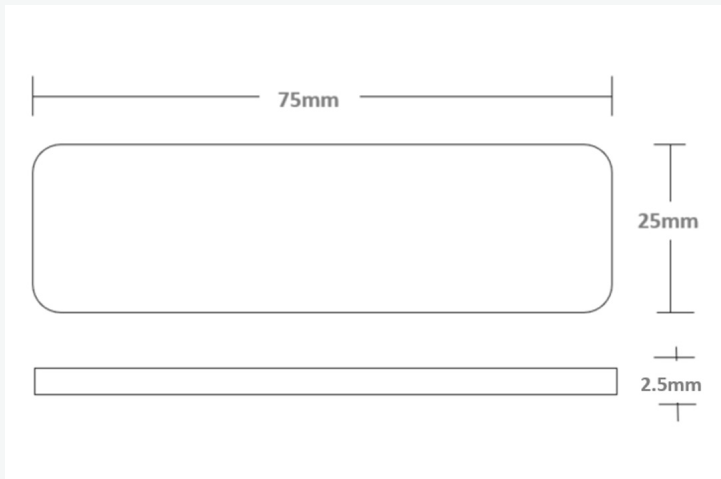
Omni-ID Flex 1200 is a low profile, cost effective RFID tag with superior RF performance. Supplied with an over laminate surface for increased durability, the Flex 1200 is designed specifically as a low cost alternative to hard tags for applications demanding the protection of an over laminate and read ranges up to 12 meters.

Applications

With its flexibility and consistent RF performance, the Flex 1200 is ideally suited to applications such as:

- Office equipment
- Portals & Returnable Transit Items (RTI)
- Light outdoor use

Dimensions



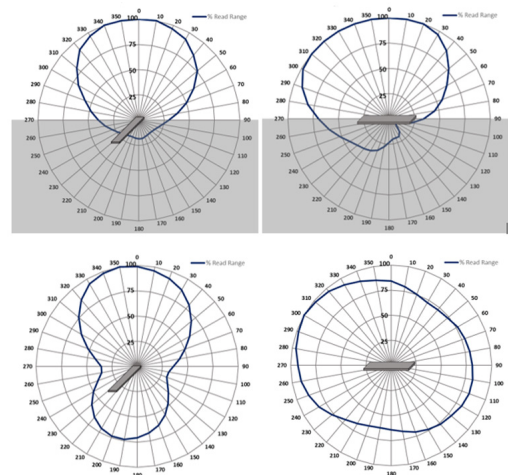
Measurements shown in mm

Physical Specifications

Material	White synthetic label with transparent over laminate
Size	75 x 25 x 2.50 mm 2.95 x 0.98 x 0.10 in
Weight (g)	1.66
Attachment	Film adhesive (std)

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	-40°C to +85°C
Survivability	-40°C to +85°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 G

Certifications

CE, RoHS, 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 12m (on metal), Up to 8m (off metal)
Read Range – Handheld Reader	Up to 4m (off metal)
On Metal or Balanced	Optimized for metal
Material Compatibility	Metal
IC Type (Chip)	Monza R6-P
Memory	EPC - 128 (96) bits User - 32 (64) bits Unique TID - 48 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	:303 (Customization) :307 (US&Canada (C1D1/D2) certified) :536 (Textured surface adhesive)
Part Number / Order Codes / Order Numbers	160 (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