

Omni-ID® Curv

Omni-ID Curv is a small form factor, high durability RFID tag with superior on-metal performance. The combination of its size, flexible durable case design and foam adhesive makes it ideal for industrial applications where curved or contoured assets are in use.

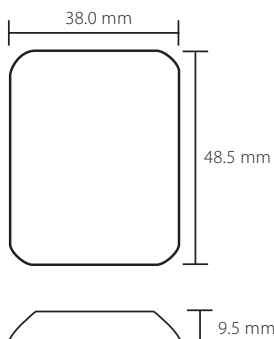
Applications

With its high performance on metal and highly impact resistant thermoplastic elastomer casing, Omni-ID Curv is ideally suited to industrial asset management applications including :

- ▶ Deployed production equipment.
- ▶ Chemical drums.
- ▶ Beverage kegs.

Physical Specifications

| | |
|--------------------------|---------------------------------|
| Encasement | Durable Thermoplastic Material |
| Size (mm) (tolerance) | 48.5 x 38.0 x 9.5 (+/- 1.0) |
| Size (in) (tolerance) | 1.91 x 1.50 x 0.37 (+/-0.04) |
| Weight (g) | 11.2 |



Dimensions stated in mm

RF Specifications

| | |
|---|--|
| Protocol | EPC Class 1 Gen2 |
| Frequency Range (MHz) | 902–928 (US) 865–868 (EU) 952–954 (JPN) |
| Read Range (Fixed reader) ¹ | Up to 6.0m (US) Up to 5.0m (EU) Up to 3.0m (JPN) |
| Read Range (Handheld reader) ¹ | Up to 3.0m (US) Up to 2.5m (EU) Up to 1.5m (JPN) |
| Material Compatibility | Optimized for Metal |
| IC Type (chip) | Alien H3 |
| Memory ² | EPC - 96bits User - 512bits TID - 64bits |

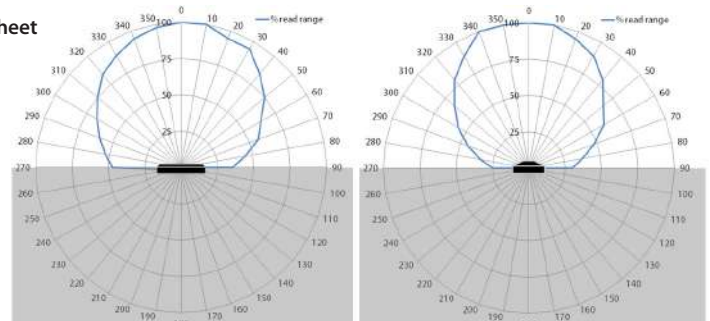
1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

Large Metal

Sheet



Related Products and Services

- ▶ **Omni-ID Pipe** - High impact RFID tag for strap attachment to cylindrical assets.
- ▶ **Omni-ID Max SQ-D**- Extreme durability, long range and global operability in a small, square footprint, on-metal RFID tag.
- ▶ **Omni-ID 360** - Extremely durable, high performance tether tag with 360° read angle for heavy industry applications.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specification

| | |
|---|---|
| Operating Temperature | -40 to +85 °C |
| Long term Max Temperature ¹ exposure - (days,weeks,years) | +85 °C |
| Short term Max Temperature ¹ exposure - (minutes,hours) | +105 °C |
| IP Rating | IP68 |
| Shock and Vibration | MIL STD 810-F |
| Impact | 25kg from 1m |
| Attachment | Industrial Foam Tape 3M PT1100 |
| Certifications | RoHS approved CE approved ATEX/IECEX certified (option) US&Canada (C1D1/D2) certified (option) |
| Warranty | 1 year |

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

Ordering Information

| | |
|---------------|---|
| Order Numbers | 025- US, EU, JPN :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau) :702 (Custom Service Bureau) |
|---------------|---|

For more information, contact:

Omni-ID Corporate Headquarters:

1200 Ridgeway Ave
Rochester, NY 14615 USA

European Office:

The Enterprise Centre
Coxbridge Business Park
Alton Road, Farnham, Surrey
GU10 5EH, United Kingdom

Asia Office:

Process Export zone
East of Road No.4 and South of Road No.2
Chengyang District
Qingdao
266113, P.R. China

For product or technology inquiries:

Email customer.services@omni-id.com

032012

