



# Omni-ID<sup>®</sup> Exo 200

Omni-ID Exo 200 is an extremely small form factor durable RFID tag. Designed with a rugged, encapsulation, the Exo 200 is ideal for tracking very small metal assets. The Exo 200 can survive impact and vibration with an ability to be deployed in harsh industrial and outdoor environments.

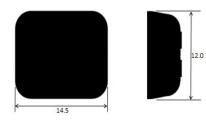
# **Applications**

With its extremely small form factor and durable encapsulation, Omni-ID Exo 200 tags are ideally suited to track small metal assets including attachment to:

- Small Hand Tools
- Fixed and mobile industrial equipment
- Industrial production tooling

### **Physical Specifications**

| Encasement  | Durable Thermoplastic Material |
|-------------|--------------------------------|
| Size (mm)   | 14.5 x 12 x 5.4                |
| (tolerance) | +/- 0.5                        |
| Size (in)   | 0.57 x 0.47 x 0.21             |
| (tolerance) | +/- 0.02                       |
| Weight (g)  | 1.0                            |





Dimensions stated in mm

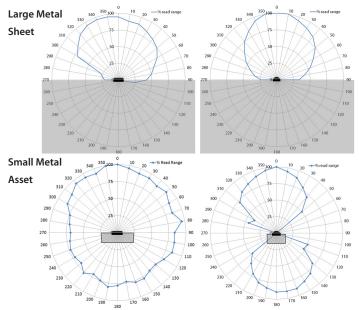
### **RF** Specifications

| Protocol                                  | EPC Class 1 Gen2                               |
|---|--|
| Frequency Range (MHz)                     | 866-868 (EU)<br>902-928 (US)                   |
| Read Range (Fixed reader) <sup>1</sup>    | Up to 2.5m (8.2ft)                             |
| Read Range (Handheld reader) <sup>1</sup> | Up to 1.25m (4.1ft)                            |
| Material Compatibility                    | On Metal only                                  |
| IC Type (chip)                            | Alien H3                                       |
| Memory <sup>2</sup>                       | EPC - 96bits<br>User - 512bits<br>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**





# **Related Products and Services**

- Omni-ID Exo 210 Low profile, on metal RFID tag optimized for application to small metal assets and for embedding.
- Omni-ID Exo 400 Small footprint tags with larger read distance optimized for small metal assets.
- Omni-ID Fit 200 -Extremely small footprint RFID tag for tracking very small metal assets.
- 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 <sup>1</sup><br>exposure - (days,weeks,years) | +85°C   |
| Short term Max Temperature <sup>1</sup><br>exposure - (minutes,hours)   | +105°C  |
| IP Rating   | IP68  |
| Shock and Vibration   | MIL STD 810-F   |
| Attachment  | Foam Adhesive as standard   |
| Certifications  | RoHS approved<br>CE approved<br>ATEX/IECEx certified (option)<br>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 | 058 – EU, US<br>:304 (ATEX/IECEx certified)<br>:307 (US&Canada (C1D1/D2) certified)<br>:701 (Standard Service Bureau)<br>:702 (Custom Service Bureau) |
|---------------|---|
|               |   |

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