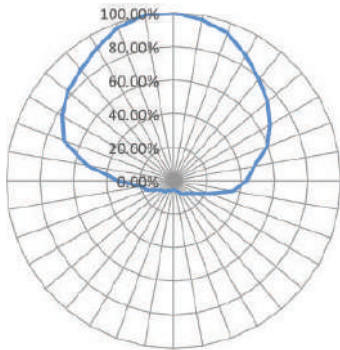




MICRO PAINT SHOP

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type (chip)**¹ Alien Higgs 9
- **Chip memory**² 96 bits EPC; 48 bits TID; 688 bits User Memory
- **Read range fixed**³ Up to 32.8 ft (10 m)
- **Read range handheld**³ Up to 23.0 ft (7 m)
- **Polarization** Linear
- **Padiation Pattern on metal**



Key features

- + Rugged mounting options
- + 10M on-metal
- + Silicone-free
- + IP68
- + High-temperature cycling

Applications

- Paint Shop Skids
- Chemical Pre-Treatments
- Cataphoresis Coating
- High-Temp Drying Ovens
- Powder Coating

Environmental Specifications

Temperature

- Operational -40°C to +85°C
- Survival -40°C to +250°C
- High temperature cycle +250°C/500hours

Chemical resistance⁴

- Various caustic chemicals
- 24h H₂SO₄ (sulfuric acid): 10%
- 24h HNO₃ (nitric acid): 10%
- 24h H₃PO₄ (phosphoric acid): 20%
- 24h H₂O₂ (hydrogen peroxide): 25%
- 24h NaOH (sodium hydroxide): 10%

- **IP rating** IP68
- **Compression strength** 181 psi (1250 kPa)
- **Shock (drop)** 3ft (1 m) to concrete/granite

- **Vibration** MIL-STD-810G
- **Warranty** 1 year

¹ The chip data retention is up to 50 years, based on chip operating under general environment conditions.

² EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

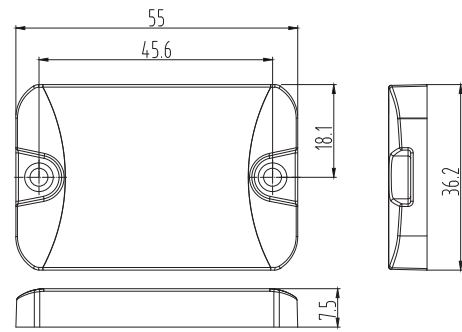
³ Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.

⁴ The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.



Physical Specifications

- **Material** Industry grade polymer; 316L Stainless Steel; Silicone-free
- **Dimensions (in)**¹ 2.16 x 1.43 x 0.30
- **Dimensions (mm)**¹ 55 x 36.2 x 7.5
- **Weight** 0.92 oz (26 g)
- **Packing information** 92 pcs /one box



Mounting Systems

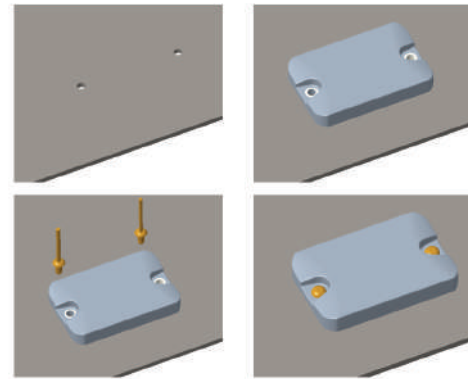
- Screws (Rivet hole, M3)
- Pop rivets (Max size 3.2mm)

Installation Instructions

Instructions for optimal performances:

1. Drill two holes on the subject metal surface. (∅ 4 mm, pitch: 45.6 mm)
2. Insert two ∅3.2mm (recommended size) rivets on the tag.
3. Fix the tag on the metal surface with a rivet gun.

* Can also be attached via adhesive / epoxy.



¹Tolerance: +/- 0.02; +/- 0.5

Industry Compliance



Order Information

MICRO Paint Shop US: X1130-US130-H9

MICRO Paint Shop EU: X1130-EU130-H9

Customization Services

Encoding

Laser Marking

ATEX Certified Version

Metal Backplate

Printing

Industrial Adhesives

Optical Optimized White Case

User Memory Version

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