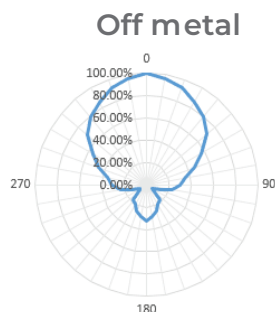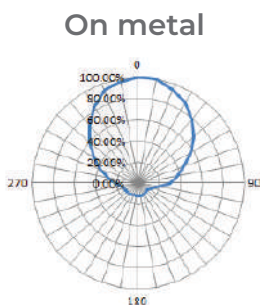# XERAFY

CONTAINER OUTDOOR

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type** (chip)[1] Impinj Monza R6-P
- **Chip memory**[2] 128 bits EPC; 48 bits unique TID; 32 bits user memory; max 64 bits user memory; 48 bits TID; 96 bits EPC
- **Read range** on metal[3] Up to 65.62 ft (20 m)
- **Read range** off metal[3] Up to 49.21 ft (15 m)
- **Polarization** Linear
- **Radiation pattern**

Key Features

- **+ 20 m read range:** read from a distance
- **+ Multi-surface:** for on/off metal asset
- **+ Various mounting systems**
- **+ IP68 rating:** waterproof
- **+ Cost-effective:** for high volume

Applications

- **Yard management**
- **Production logistics**
- **RTI management**
- **Long-distance shipping**

On metal

Off metal

Environmental Specifications

Temperatures

- Operational -40°C to +85°C
- Survival -40°C to +85°C (48 hours)

- **IP rating** IP68
- **Compression strength** 29 psi (200 kPa)
- **Shock** 3ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

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[1] The chip data retention is up to 50 years, based on chip operating under general environment conditions.
[2] EPC and User Memory can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.
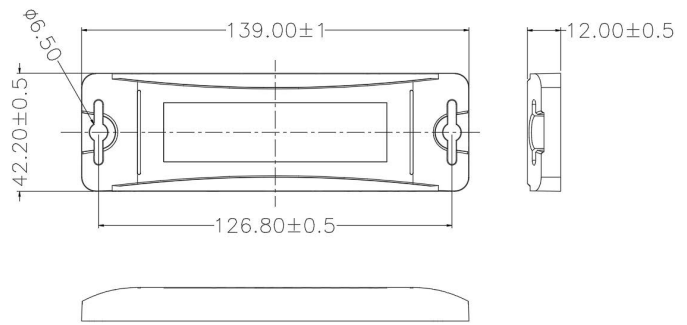[3] Fixed reader

XERAFY

Physical Specifications

- **Material** Industry grade polymer
- **Dimensions (in)[1]** 5.46 x 1.65 x 0.47
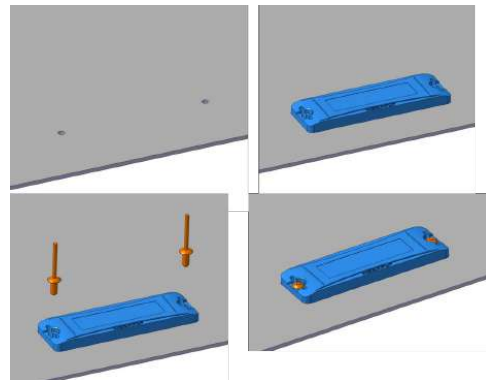- **Dimensions (mm)[1]** 139 x 42.20 x 12
- **Weight** 1.45 oz (41 g)

Mounting Systems

- Rivets
- Screws
- Cable ties
- Industrial adhesive (optional)

Installation Instructions

1. Use M6 rivets for attachment:
· Drill two holes (ø 5) in the metal surface, pitch: 126.80 mm.
· Utilize M6 rivets in conjunction with a rivet gun to securely fasten the tag onto the metal surface.
2. Use M6 screws for attachment:
· Drill two holes (ø 4.80) in the metal surface, pitch: 126.80 mm.
· Perform a M6 thread tapping procedure.
· Utilize M6 screws to securely attach the tag to the metal surface.

[1] Tolerance: +/- 0.02; +/- 0.50

Industry Compliance

RAIN R F I D   **RoHS** 2002/95/EC   **REACH** COMPLIANCE   **CE**   **ETSI**   **FC**   **ISO** 9001:2015   **ISO** 14001   **IMPINJ** PARTNER

Order Information

Container OUTDOOR US: X0361-US100-R6P	Container OUTDOOR EU: X0361-EU100-R6P

Customization Options

Encoding	Printing
Laser Marking	Industrial Adhesives
ATEX Certified Version	