



DURADROP

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2, ISO 18000-63
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type(chip)**¹ NXP UCODE 9
- **Chip memory** 96 bits EPC; 96 bits TID
- **Write cycles** 100,000
- **Data retention** 20 years
- **Read range fixed**² Up to 6.56 ft (2 m)
- **Read range handheld**² Up to 3 ft (0.91 m)
- **Polarization** Linear



Applications

- Valves, pipes & industrial equipment
- Tools & machinery

Environmental Specifications

Temperatures



- **Operational** -40°C to +85°C
-40°F to +185°F
- **Survival** -40°C to +125°C
-40°F to +257°F

- **IP rating** IP68
- **Shock** 3 ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

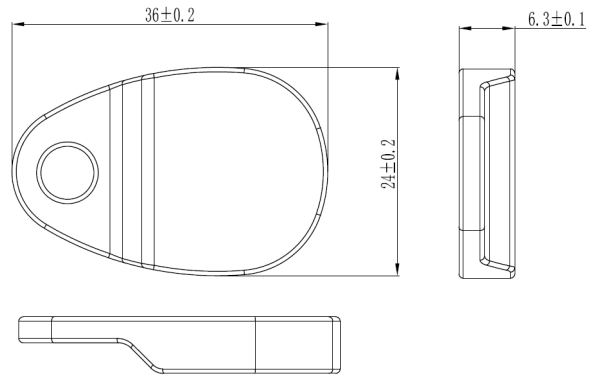
¹ The chip data retention is up to 20 years, based on chip operating under general environment conditions.

² On metal.

³ 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** Stainless steel, PCB
- **Dimensions (in)**¹ 1.42 x 0.94
- **Dimensions (mm)**¹ 36 x 24
- **Thickness (in)**¹ 0.25
- **Thickness (mm)**¹ 6.30
- **Weight** 0.59 oz (17 g)



¹ Tolerance: +/- 0.008; +/- 0.200

Mounting Systems

- Hook, tie, rope

Industry Compliance



Order Information

DURADROP US: X3528-US100-U9

DURADROP EU: X3528-EU100-U9

Customization Options

Encoding

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