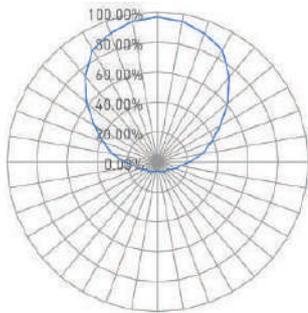




PICO OFF

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type(chip)**¹ Impinj M830
- **Chip memory**² 128 bits EPC, 96 bits TID
- **Write cycles** 10,000 times
- **Data retention** 10 years
- **Read range fixed**³ Up to 6.56 ft (2 m)
- **Read range handheld**³ Up to 3.28 ft (1 m)
- **Polarization** Linear
- **Radiation pattern off metal**



Key Features

- + **2m read range off metal:** for non-metal surface
- + **Small size:** designed to fit non-metal tool and devices
- + **Rugged:** withstand chemicals, hi-temp, and waterproof
- + **Fast tagging:** epoxy, heat-shrink tube, adhesive

Applications

- Hand tools tracking
- Scanners and readers
- Electronic devices
- IT asset management

Environmental Specifications

Temperatures



- **Operational** -40°C to +85°C
-40°F to +185°F
- **Survival** -40°C to +150°C (168 hours)
-40°F to +302°F
- **Peak** 200°C (392°F)

- **IP rating** IP68
- **Compression strength** 170 psi (1,176 kPa)
- **Shock** 3 ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

¹ The chip data retention is up to 10 years, based on chip operating under general environment conditions.

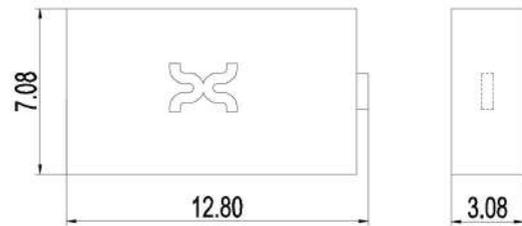
² EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

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



Physical Specifications

- **Material** Ceramic
- **Dimensions (in)**¹ 0.50 x 0.28 x 0.12
- **Dimensions (mm)**¹ 12.80 x 7.08 x 3.08
- **Weight** 0.05 oz (1.40 g)



Mounting Systems

- Industrial adhesive

Installation Instructions

To obtain the maximum adhesion, the following steps should be taken:

1. Clean surface using Isopropyl alcohol, or equivalent solvent to ensure the surface is free of dirt, dust, oil, and other debris that may affect adhesion.
2. Peel adhesive liner from the back of the tag, ensuring the adhesive is not contacted.
3. Place tag in desired location and firmly apply even pressure for up to 30 seconds.
4. To ensure proper curing of adhesive, allow ample cure time of up to 12 hours before handling.

¹ Tolerance: +/- 0.004; +/- 0.100

Industry Compliance



Order Information

PICO Off US: X3310-US001-M830

PICO Off EU: X3310-EU001-M830

Customization Options

Encoding

ATEX Certified Version

Printing

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