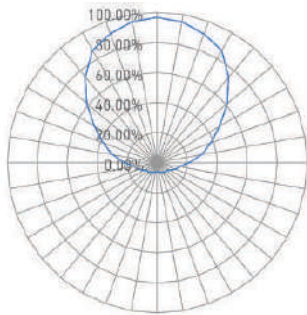




## PICO OFF

### Technical Specifications

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



### Key Features

- + **2m readrange 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

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

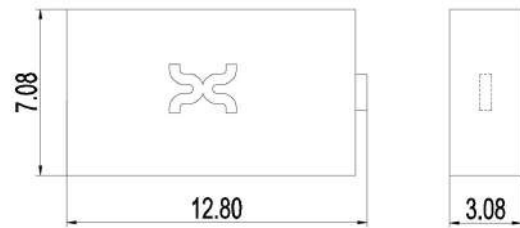
<sup>2</sup> EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

<sup>3</sup> 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)**<sup>1</sup> 0.50 x 0.28 x 0.12
- **Dimensions (mm)**<sup>1</sup> 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.

<sup>1</sup> 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

The information provided by Xerafy Singapore Pte. Ltd. is for general information purposes only. All information on the datasheet is provided in good faith. However we make no representation or warranty of any kind, express or implied, regarding the accuracy, adequacy, validity, reliability, availability, or completeness of any information on the datasheet.

Under no circumstance shall we have any liability to you for any loss or damage of any kind incurred as a result of the use of the product or reliance on any information provided on the datasheet. Your use of the product and your reliance on any information on the datasheet is solely at your own risk.

