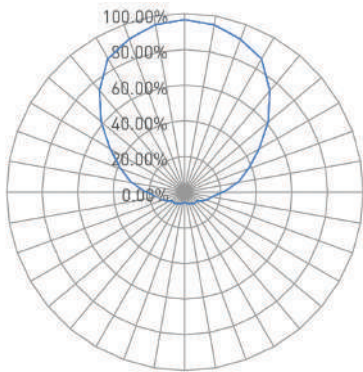




PICO ON

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type (chip)**¹ NXP UCODE 8
- **Chip memory**² 128 bits EPC; 96 bits TID; User Memory (optional)
- **Read range fixed**³ Up to 9.8 ft (3 m)
- **Read range handheld**³ Up to 6.6 ft (2 m)
- **Polarization** Linear
- **Radiation Pattern on metal**



Key features

- + **Small size:** fits small assets
- + **Powerful on-metal performance:** up to 3m
- + **Withstand high temperature:** up to 200°C

Applications

- Hand Tools for Manufacturing, Aerospace, Railways, Nuclear, Military, Oil & Gas
- Warehouse Automation
- RTIs Management
- Data Centers

Environmental Specifications

Temperature

- Operational -40°C to +85°C
- Survival -40°C to +150°C (long term >168 hours)
- Peak temperature +200°C



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

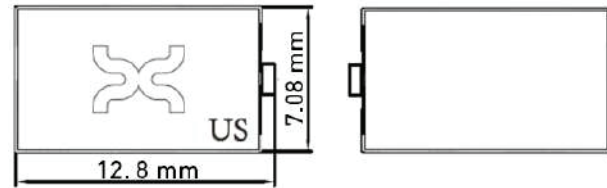
¹ The chip data retention is up to 50 years, based on chip operating under general environment conditions.

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.

Physical Specifications

- **Material** Ceramic
- **Dimensions (in)**¹ 0.5 x 0.28 x 0.12
- **Dimensions (mm)**¹ 12.8 x 7.08 x 3.08
- **Weight** 0.05 oz (1.4 g)



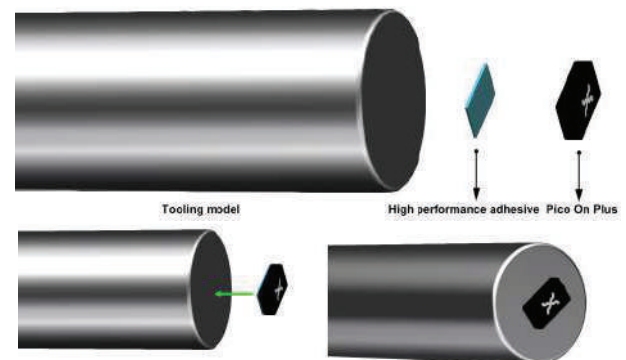
Mounting Systems

- 3M 9495 LE 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 being handled.



¹ Tolerance: +/- 0.004; +/- 0.1

Industry Compliance



Order Information

PICO On US: X3110-US001-U8

PICO On EU: X3110-EU001-U8

Customization Options

Encoding

Laser Marking

Printing

ATEX Certified Version

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