CIRCULAR TRAK
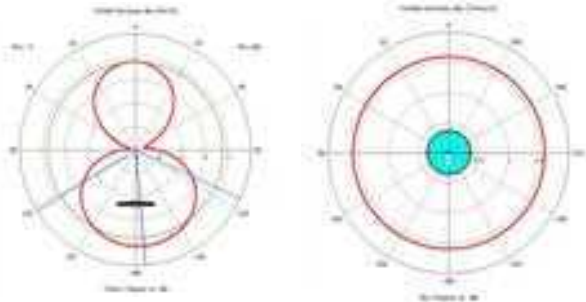
Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US); 865-868 MHz (EU)
- **IC type** (chip)[1] Impinj R6-P
- **Chip memory** 128/96 bits EPC; 48 bits TID; 32/64 bits user memory
- **Read range** on metal[2] Up to 7.55 ft (2.30 m) US
- **Read range** off metal[2] Up to 4.27 ft (1.30 m) US
- **Polarization** Linear
- **Radiation pattern on metal**

Key Features

- **+ Food-grade silicone:** withstand detergents
- **+ Hig-temp resistance:** survive up to 100C washes
- **+ IP68:** waterproof
- **+ Multi-surface:** for metal and non-metal
- **+ Durable:** designed for the circular economy

Applications

- Hospitality and food industry
- Reusable containers
- Metal equipment

Environmental Specifications

Temperatures

- Operational -40°C to +85°C
- Survival -40°C to +100°C

- **IP rating** IP68
- **Compression strength** 145psi (1MPa)
- **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] Fix reader.
[3] The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.
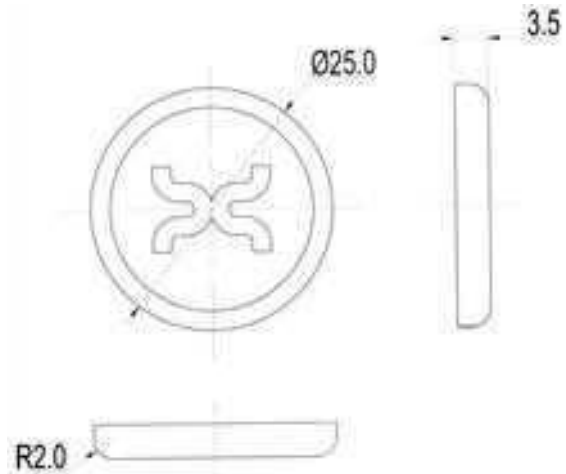
Physical Specifications

- **Material** Food grade silicone
- **Dimensions (in)[1]** ⌀ 0.98 x 0.14
- **Dimensions (mm)[1]** ⌀ 25x 3.50
- **Weight** 0.08 oz (2.20 g)

Mounting Systems

· Food grade silicone glue

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc, debris that may affect adhesion.

2. Handle the Circular TRAK by the edges and apply silicone glue to the back of the tag, ensuring not to touch the glue.

3. Place the tag in desired tagging location and firmly apply even pressure to the tag for 10 seconds.

4. Keep the tag facing up and do not touch it for 24 hours to ensure the silicone glue fully solidifies.

[1] Tolerance: +/- 0.004; +/- 0.100

Industry Compliance

Order Information

Circular TRAK US: X0553-US170-R6P	Circular TRAK EU: X0553-EU170-R6P

Customization Options

Encoding	Laser Marking