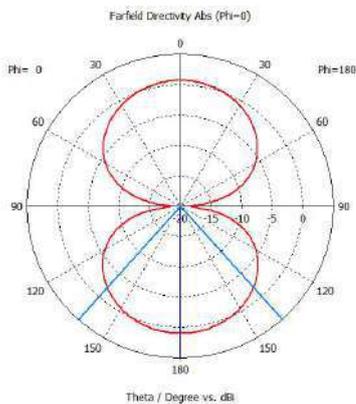




# POD TRAK 85

## Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 860-960 MHz (Global)
- **IC type (chip)**<sup>1</sup> NXP UCODE 9
- **Chip memory**<sup>2</sup> 96 bits EPC, 96 bits TID
- **Write cycles** 100,000 times
- **Data retention** 20 years
- **Read range fixed**<sup>3</sup> Up to 32.81 ft (10 m) on plastic
- **Read range handheld**<sup>3</sup> Up to 22.97 ft (7 m) on plastic
- **Polarization** Linear
- **Radiation pattern off metal**



## Key Features

- + **Flexible form factors:** ensure a perfect fit and protection for a variety of returnable assets
- + **Customizable identification:** unique ID serialization and printing
- + **Fast mounting:** for quick and secure attachment on uneven surfaces by rivets, zip ties, or industrial adhesive
- + **Global frequency:** compatible with RAIN RFID standards for seamless integration

## Applications

- **Returnable packaging: bins, crates, and pallets**
- **Transport assets**
- **Totes and containers**

## Environmental Specifications

### Temperatures



- **Operational** -40°C to +55°C  
-40°F to +131°F
- **Survival** -40°C to +70°C  
-40°F to +158°F

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

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

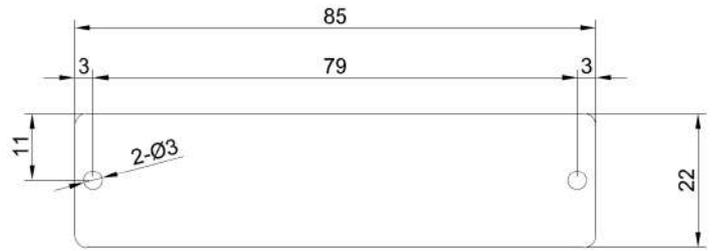
<sup>2</sup> EPC and User Memory can be re-programmed, or permanently locked. TID is locked and unique at the point of manufacturing.

<sup>3</sup> Off metal



## Physical Specifications

- **Material** PVC
- **Dimensions (in)**<sup>1</sup> 3.35 x 0.87 x 0.03
- **Dimensions (mm)**<sup>1</sup> 85 x 22 x 0.88
- **Weight** 0.10 oz (2.80 g)



## Mounting Systems

- Rivets
- Screws
- Zip ties
- Industrial adhesive

## Installation Instructions

1. Handle the tag by edges, peel the release liner from back ensuring not to touch the adhesive.

2. Place the tag in the desired tagging location and firmly apply even pressure to the tag for 5 seconds.

Use M3 rivets for attachment:

- Drill two holes ( $\varnothing$  3.50) in the item surface, pitch: 79 mm.
- Utilize M3 rivets in conjunction with a rivet gun to securely fasten the tag onto the item surface.

Use M3 screws for attachment:

- Drill two holes ( $\varnothing$  2.20) in the item surface, pitch: 79 mm.
- Perform a M3 thread tapping procedure.
- Utilize M3 screws to securely attach the tag to the item surface.

<sup>1</sup> Tolerance: L: +/- 0.016, W/H: +/- 0.008; L: +/- 0.400, W/H: +/- 0.200

## Industry Compliance



## Order Information

POD TRAK 85: X8522-GLC00-U9

## Customization Options

Encoding

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.