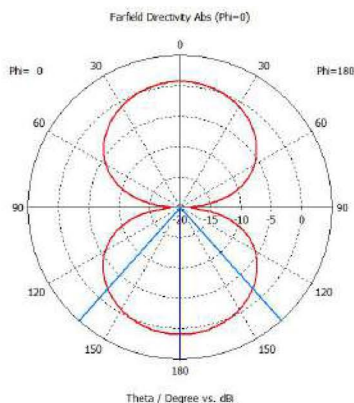# POD TRAK 85

XERAFY

E2009D2408223AF000000001

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 860-960 MHz (Global)
- **IC type** (chip)[1] NXP UCODE 9
- **Chip memory**[2] 96 bits EPC, 96 bits TID
- **Read range** fixed[3] Up to 32.81 ft (10 m) on plastic
- **Read range** handheld[3] Up to 22.97 ft (7 m) on plastic
- **Polarization** Linear
- **Radiation pattern off metal**

Farfield Directivity Abs (Phi=0)

Theta / Degree vs. dB

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
- Survival -40°C to +70°C

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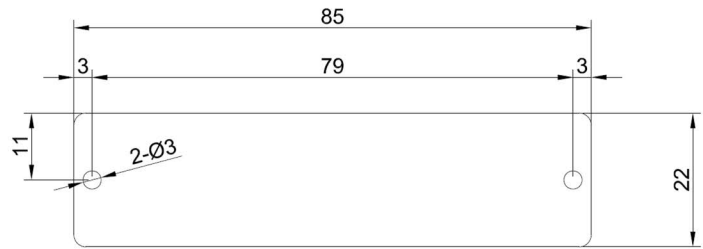- **Warranty** 1 year

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[1] The chip data retention is up to 50 years, based on chip operating under general environment conditions.
[2] EPC and User Memory can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.
[3] Off metal

Physical Specifications

- **Material** PVC
- **Dimensions (in)**[1] 3.35 x 0.87 x 0.03
- **Dimensions (mm)**[1] 85 x 22 x 0.88
- **Weight** 0.10 oz (2.80 g)

85

3   79   3

11

2-Ø3

22

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 (ø 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 (ø 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.

[1] Tolerance: L: +/- 0.016, W/H: +/- 0.008; L: +/- 0.400, W/H: +/- 0.200

Industry Compliance

RAIN RFID   RoHS 2002/95/EC   REACH COMPLIANCE   CE   ETSI   FC   ISO 9001:2015   ISO 14001

Order Information

POD TRAK 85: X8522-GLC00-U9

Customization Options

Encoding	Printing

atlasRFIDstore

(205) 383-2244
sales@atlasRFIDstore.com
www.atlasRFIDstore.com