

LY991202 Tamper Proof Vehicle RFID Tag



High-Sensitivity UHF Windshield Label for Vehicle Identification & Smart Mobility

The LY991202 Tamper-Proof Vehicle RFID Tag is a UHF windshield label for smart transportation and secure vehicle identification. Its transparent PET construction and aluminum microstrip antenna provide up to 15 meters of read range while keeping a discreet appearance, and the tamper-proof design breaks the antenna if removed to prevent reuse or fraud.

Powered by the Impinj M781 chip with ample EPC, TID, and user memory, the tag supports advanced authentication, anti-counterfeiting, and traceability. It is well suited for ETC tolling, smart parking, fueling automation, fleet tracking, and vehicle inspection systems in demanding outdoor environments.

Overview

Frequency Band

UHF 860-960 MHz

Chip

Impinj M781

Material

Transparent PET
(with tamper-proof structure)

Tag Dimension

99 × 12 × 0.2 mm

Antenna Type

Aluminum Antenna -
Microstrip Flat Design

Installation

Adhesive
(Windshield / Plastic Surface)

Color

Transparent

Industry Segments

- Vehicle Identification
- ETC Smart Tolling
- Smart Parking Systems
- Fueling & Access Automation
- Transportation & Traffic Management
- Insurance & Vehicle Lifecycle Tracking
- Anti-Counterfeit & Traceability

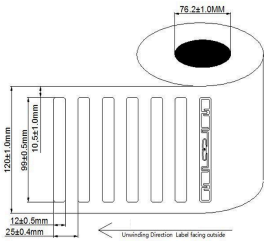
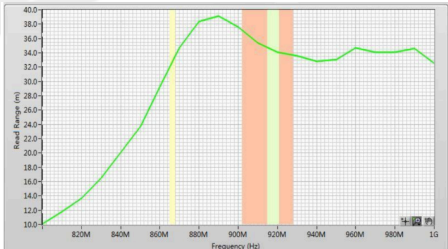
Application

- Electronic Toll Collection (ETC)
- Automatic Parking & Barrier Access
- Fleet Identity & Movement Tracking
- Vehicle E-Inspection & Annual Certification
- Speed & Violation Monitoring
- Digital Logistics & Supply Chain
- Vehicle Rental, Financing & Insurance
- Anti-counterfeit and vehicle authenticity management

Product Features

Model	LY991202
Chip	Impinj M781
Protocol	ISO18000-6C / EPC Gen2 V2
Operating Frequency	860-960 MHz
Tag Dimension	99 × 12 × 0.2 mm
Face Material	Transparent PET
Antenna Structure	Aluminum Microstrip
Backing Liner	Dual silicon-coated transparent PET
Memory	TID/UID 96 bits + EPC 128 bits + User 512 bits + 32-bit Access + 32-bit Kill
Reading Range	Up to 15 m (1500 cm, environment dependent)
Applicable Surface	Plastic (windshield, dashboard plastic, etc.)
Tamper-Proof Feature	Breaks or destroys antenna when removed
Personalization Options	Custom printing, embossing, laser-engraving, barcode & encoding
Installation Method	Adhesive mount
Delivery Format	Roll-based, 1000-3000 pcs per roll
ESD Protection	2 kV
Data Retention	10 years
Operating Temperature	-35°C to +85°C
Storage Temperature	0°C to +25°C
Operating Humidity	10%-95% RH (performance may vary)

Product Overview



Contact Information
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