

# UHF Windshield Tags

## TAMPER-PROOF



### DATA SHEET

#### FEATURES

- Superior read performance, reliability and accuracy when attached to glass surfaces
- Designed to withstand environmental, UV, and cleaning elements for operational longevity
- RCDSecure™ uniquely provides tamper and removal-evident verification, and self destructs upon removal.
- Smaller form factor for aesthetic, unobtrusive and location-ideal placement
- Extended security set provides for protected and increased user memory

#### BENEFITS

- Highly reliable automotive credentialing for manufacturing, retail, rental and fleet inventory
- Prevents, deters and detects counterfeiting with tamper-proof authentication
- Ideal for access control
- Provides exact vehicle location for lot control and fleet management



RCD's durable and highly reliable Vehicle Windshield tag is the ideal solution to optimize your automotive asset management operations. The superior identification and location capabilities of RFID for inventory, coupled with RCD's innovative tamper-detection and single-vehicle enforcement features for secure credentialing, highlight the sustaining benefits of replacing, or co-existing with, legacy inventory processes.

#### RCD RFID WINDSHIELD TAGS - UNMATCHED INVENTORY EFFICIENCY

Specially engineered for ideal performance on windshield automotive glass, RCD's Radio Frequency Identification (RFID) windshield tags represent a new and next generation tool for vehicle asset management. While legacy inventory methods provide only a means to manually associate vehicle identification numbers with a vehicle, RCD's RFID windshield tag provides for an automated inventory tool that enables better inventory and lot management processes, at reduced labor costs. It also enables automated vehicle access to private/restricted areas.



RCD's RFID windshield tags are small, thin labels (2.5" x .5") that adhere to automotive glass with industrial adhesive, and are resistant to UV, environmental and cleaning elements. They contain an embedded RFID chip and RFID antennas that wirelessly communicate to data aggregating, fixed and handheld RFID-enabled devices. This means that existing vehicle management applications can be performed faster, cheaper and without human error; And new capabilities from real-time inventory, to accurate service level accounting, to lot management, to vehicle locating gives you increased competitive advantage.



RCD windshield tags are .5" wide and ideal for placement behind rear-view mirrors, or at the bottom of the driver side windshield. The bottom label is a "stay-behind" plain label for documentation.

#### THE DIFFERENCE - PERFORMANCE & SECURITY

RCD's industry-superior read sensitivity, 25% greater sensitivity than available alternatives, allows for increased read range and accuracy; Both of which are defining characteristics in any asset management application.

For unparalleled secure credentialing, RCD's innovative RCDSecure™ Antenna solution self-destructs and renders the windshield tag useless if tampered with or removed. This industry-unique offering finally provides a solution for an authenticated, counterfeit-thwarting credentialing & management system.

LBL1-019-0000xx

RCDSecure™ feature	●
Barcode/Programming Option	●
96 bit EPC memory	●
TID + 512 bit user memory	●

## INDUSTRIES & APPLICATIONS

### Automotive Manufacturing

- Plant and Yard Inventory
- Outbound Transport Identification, and Shipping Logistics

### Automotive Sales/Retail

- Sales and Retail Inventory
- Lot Control
- Vehicle Locating

### Industrial

- Industrial Vehicle inventory
- Mobile Asset Management (Manned Trolleys, Smaller Vehicles, Forklifts, Carts)

### Fleet Management

- Yard Management
- Inventory
- Scheduling

### Automotive Credentials

- Auto Registration
- Access Control (secure lots, private communities, etc.)

## ONLY RCD

Enterprise companies and government and military agencies alike have come to realize that the success of any RFID solution starts and ends with the RFID tag; And they continue to choose RCD tags for their consistently superior performance, security, durability and quality. All of these critical capabilities are byproducts of our patented antenna fabrication process, patent-pending ASIC attachment process, and a materials and design philosophy that fosters innovation to solve specific application needs.

## RCDSecure™ - TAMPER DETECTION & SELF DESTRUCTION



RCD RFID Windshield tags can be printed with barcodes, and contain redundant bar code or VIN data.



RCDSecure™-enabled windshiled tag that has self-destructed from being removed from a windshield; Antenna detachment renders the tag useless.

### PHYSICAL

Dimensions	<ul style="list-style-type: none"> <li>• 70 mm X 15 mm</li> <li>• 2.7" X 0.59"</li> </ul>
Adhesive	UV resistant acrylic
Special Features	RCDSecure™ tamper evident

### ELECTRICAL

Frequency	902 - 928 MHz (US)
Read Distance	LBL1-019-00000xx 15 - 17 feet (FCC Part 15 Fixed Reader system, 4 W EIRP/CP Reader Antenna)
Memory	LBL1-019-00000xx: 96 bits EPC 64 bit TID 512 bits user

### ENVIRONMENTAL

Classification	IP67 - Dust tight / Protected against temporary submersion in water
Operational Temp.	<ul style="list-style-type: none"> <li>• -50°C to +85°C</li> <li>• -58°F to +185°F</li> </ul>
Pressure Resistance	High
Vibration/Shock Resistance	High

### OTHER

Options	user-defined graphics, barcode redundancy
Printable	Thermal Transfer
Warranty	Limited



RCD Windshield tag on glass behind the rear view mirror, with RFID antenna visible.

## ABOUT RCD

RCD Technology delivers high value solutions that solve problems in Security and Authentication, for Enterprises and Governments. RCD's application-specific RFID tag offerings include passive HF and UHF inlays, prelams and finished tags. Unique to RCD are patented antenna and ASIC attachment processes, RCDSecure, a feature that renders a tag useless if tampered with, and RCDAuthenticate, a patent-pending, data-driven field authentication technology. RCD's Quakertown, PA manufacturing facility is ISO9001:2000 certified. For more information visit [www.rcdtechnology.com](http://www.rcdtechnology.com) or call 215-529-9440.



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