

Product Data Sheet

PS RFI License Plate

RFID License Plate Assembly

The Porta Saber **RFID License Plate** was developed to tackle the growing problems of vehicle registration fraud. Our aim was to disrupt as little as possible the existing License Plate production and issuing systems. For this reason, the Porta Saber RFID License Plate is made of two main components; the Metallic License Plate and the attached RFID element. This product has been the standard License Plate for the Republic of Azerbaijan since 2011

RFID Element

Electrical Specifications

Type :	Passive UHF RFID
Protocol :	EPC Class 1 Gen 2 ISO 1800-6C
Frequency :	Global 860 to 960 MHz
IC :	Monza 4E <i>Other Chips Available</i>
Memory :	
TID	96 bits
EPC	496 bits
USER	128 bits
PASSWORD	64 bits Access, 64 bits Kill
Read Range** :	Up to 20 meters

Mechanical Specifications

Structure :	
Casing and Core	PC / ABS with control taggant
Antenna	Aluminium 3D antenna
Delivery Format :	On boxes of 400 pcs
Dimensions :	58 x 44 x 5mm OR
Application :	Aluminium License Plates

Ambient Conditions

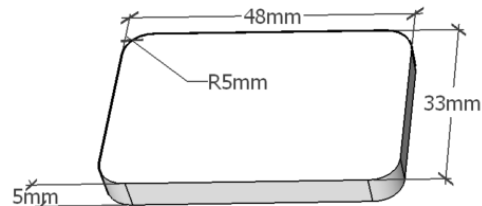
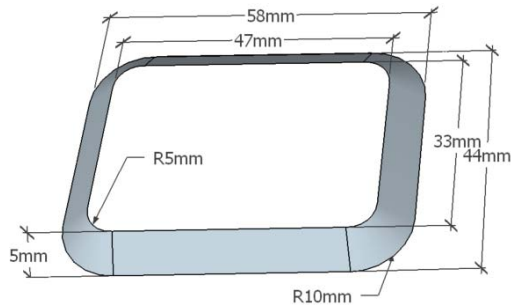
Operational Temp.	-35°C to 85°C
Exterior Temp.	-35°C to 85°C
IP Classification	IP68
Shelf Life	12 Months +20°C / 50% RH
Product Life	Years in normal conditions
Chemical Resistance	Resistant vehicle washing process with typical cleaning products

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Add On's***		
Other Chips	Tamponing	Tamper Evidence
Pre- Encoding	Personalisation	Tamper Proof
Encoding		

Physical Dimensions

RFiD Element



Aluminium License Plate

Mechanical Specifications

Structure :	Aluminium with Retroreflective foil
LP Design	Will follow the local standards
Delivery Format :	On boxes of 50 pcs
Standards	ISO 7591 and DIN 74069
Dimensions :	520 x 110 x 1mm is standard but others sizes are available
Application :	On the vehicle or on Plastic Frames, one-way screws can be used to secure the LP

Security Options

RFiD Application	The RFiD element is securely attached to the LP and cannot be removed without leaving visible marks on both parts and without damaging the RFiD functionality.
Features:	<ul style="list-style-type: none"> Laser Serialisation barcode or alphanumeric At an angle visible Laser Engraved Watermarks High Security Holograms Country Specific Design and Graphics Validation One Use Tamper Evident Stickers Specific Design for the Hot Stamping Foil that will paint the Embossed License Plate personalisation and border

Disclaimer:

* - Read ranges are theoretical values measured in controlled laboratory environment.

Read range is affected by adjacent materials and weather conditions, local regulations for using RFID systems and their configurations.

** - Outdoor test measurement

*** - Minimum Order Quantities and costs will be discussed on a per request basis

The enclosed information is indicative and result of tests and supplier's information Porta Saber cannot guarantee the information at customer conditions We help our customers to select the right configuration in every condition to ensure optimal RFID system performance.

