



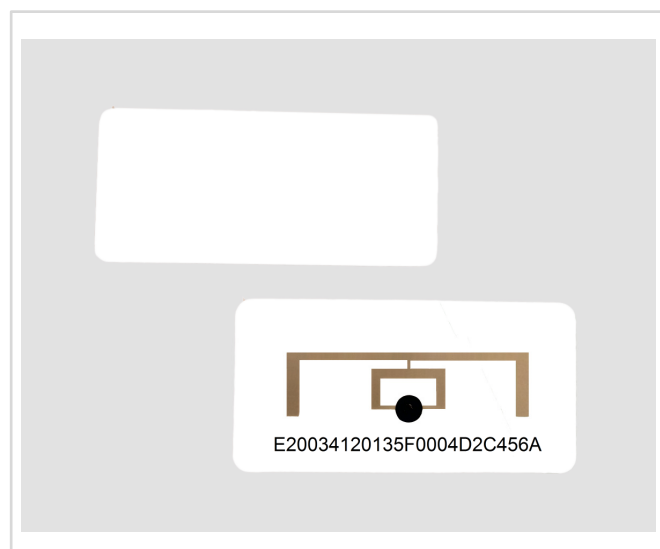
Manufacturer of RFID tags

# DATASHEET

## UHF Windshield Tag (Tamperproof)

Tag Code: U4132815

Windshield Tag is the UHF Gen2 Tamperproof ARAI approved long range passive tag. It is ideal for automatic Vehicle identification (AVI), Transportation application, and Electronic toll collection, and Electronic vehicle Registration, Parking & Security Access application.



## Electrical Specification

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	860 – 960 MHz
Chip	Alien Higgs-3
Memory Configuration	EPC – 96 bits, extendible to 480bits
	TID – 96 bits unalterable unique
	User memory – 512 bits
	Access password – 32 bits
	Kill password – 32 bits
Data retention	50 years
Permanent write protection	Yes (Read Only)
Write endurance	100,000 Cycles
Read Range*	8 – 12 m (at speed 140 Km/hrs, Max)
RSSI*	-40 ± 5

## Physical / Mechanical Specification

Dimensions	100 x 40 ± 0.2 mm
Antenna Material	Conductive ink
Adhesive tape	High strength adhesive
Color**	White
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-30°C to +80°C
Storage temperature	-40°C to +100°C
Relative Humidity	95% Condensing
Attachment***	Self Adhesive
Applicable surface	Windshield glass
UV Resistant	Yes

## Chemical Resistance

Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

Additionally, abrasion resistant against HCL and IPA

## Additional Services

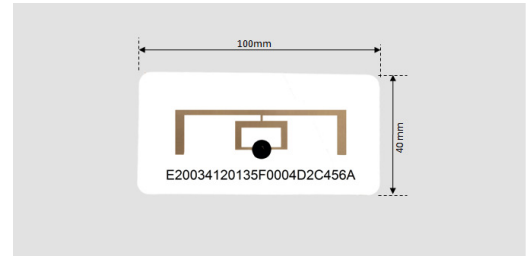
Pre-encoding	On request
Customization***	Logo / text printing on request

\* Actual Read range may vary depending upon the reader and environmental factor

\*\* Other on request

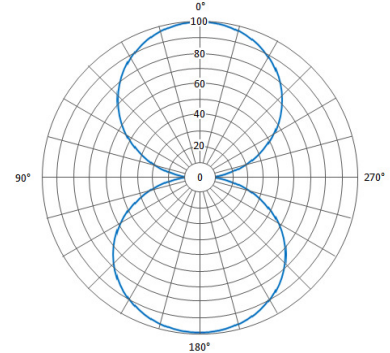
\*\*\* Available as an option at extra cost

## Dimension



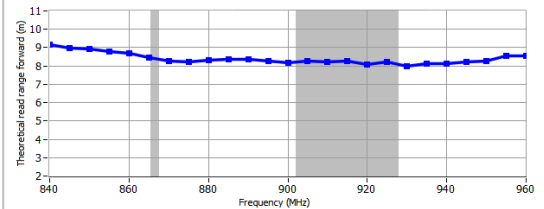
## Radiation Pattern Graph

(Orientation v/s Read Range in percentage)



## Linear Frequency Graph

(Frequency v/s Read Range)



## Order Information

Part No.	Description
U4132815	With Alien higgs-3 chip tuned at Global frequency

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