



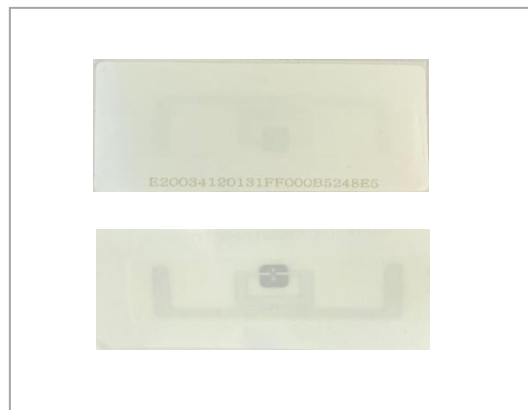
Manufacturer of RFID tags

DATASHEET

UHF ARAI Windshield Tag

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

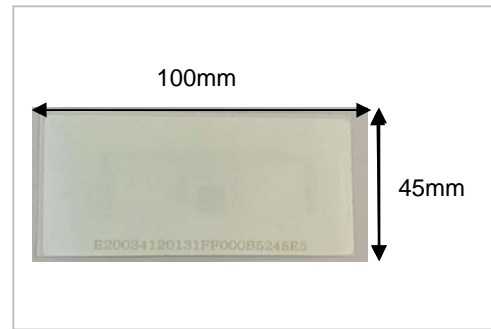
Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	860 – 960 MHz
Chip	Alien Higgs-3
Memory Configuration	EPC–96 bits, extendible to 480bits
	TID – 96 bits unalterable unique
	User memory – 512 bits
	Access password – 32 bits
	Kill password – 32 bits
Read Range*	8 – 10 m

Physical / Mechanical Specification

Dimensions	100 x 45 ± 0.2 mm
Antenna Material	Conductive ink
Adhesive tape	High strength adhesive
Colour**	White
Quality Assurance	100% reader tested

Environmental Resistance

Operating temperature	-20°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***

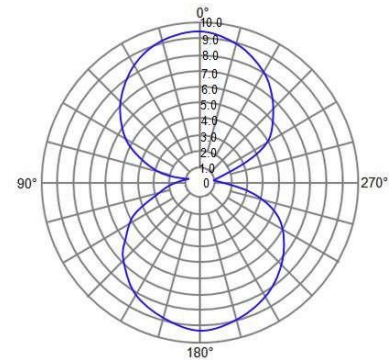
* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

*** Available as an option at extra cost

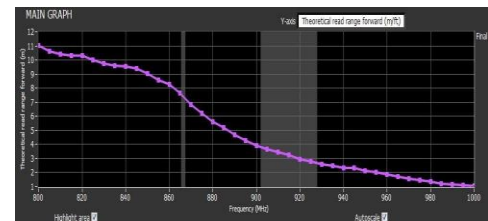
Radiation Pattern Graph

(Orientation v/s Read Range Orientation)



Linear Frequency Graph

(Frequency v/s Read Range Orientation)



Order Information

Part No.	Description
U403271	With Alien higgs-3 chip tuned at Global frequency

Omnia Technologies Pvt. Ltd.

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