

# DATASHEET

## Fastag Windshield Tag (Tamperproof)

Tag Code: U41X2815

Fastag windshield Tag is the UHF Gen2 Tamperproof ARAI approved long range passive tag. It is ideal for National Electronic Toll Collection (NETC), automatic Vehicle identification (AVI), Transportation application and Electronic vehicle Registration, Parking & Security Access application etc.



### 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
Write endurance	100,000 Cycles
Read Range*	8 – 10 m on Glass

### Physical / Mechanical Specification

Dimensions	100 x 50 ± 0.2 mm
Antenna Material	Conductive ink
Adhesive tape	High strength adhesive
Colour**	As per NPCI guidelines for each vehicle class
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

## Order Information

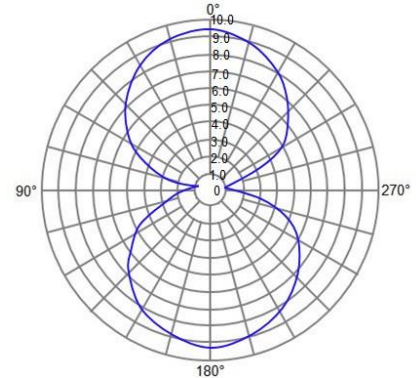
Part No.	Description
U41D2815	Vehicle Class 4, Alien higgs-3 chip, Global frequency
U41C2815	Vehicle Class 5, Alien higgs-3 chip, Global frequency
U4172815	Vehicle Class 6, Alien higgs-3 chip, Global frequency
U4162815	Vehicle Class 7, Alien higgs-3 chip, Global frequency
U41E2815	Vehicle Class 12, Alien higgs-3 chip, Global frequency
U41G2815	Vehicle Class 15, Alien higgs-3 chip, Global frequency
U41H2815	Vehicle Class 16, Alien higgs-3 chip, Global frequency

## Dimension



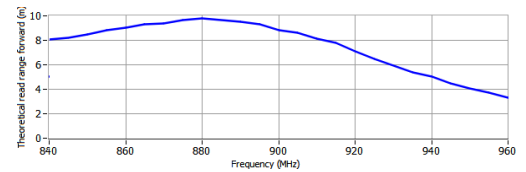
## Radiation Pattern Graph

(Orientation v/s Read Range)



## Linear Frequency Graph

(Frequency v/s Read Range)



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