

DATASHEET

UHF Windshield Tag

Tag Code: U4032911

Windshield tag is the UHF Gen2 long range, passive tag with tamper evident feature. It is suitable for a variety of automatic vehicle identification (AVI) and transportation application including electronic Toll collection (ETC), Electronics vehicle registration, parking and security access.



Electrical Specification

Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865 – 868 MHz or 902 – 928 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*	On Windshield – Up to 10 m Off metal – Up to 2 m

Physical / Mechanical Specification

Dimensions	67 x 26 x 2.6 ± 0.2 mm
Colour**	White
Weight	5 g
Encasement	ABS
Quality Assurance	100% reader tested

Environmental Resistance

Operating temperature	-25°C to +80°C
Storage temperature	-25°C to +80°C
Ingress protection rating	IP67
Attachment	Self-Adhesive
Applicable surface	Interior windshield glass

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

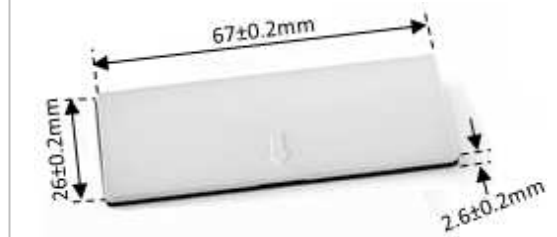
Pre-encoding	On request
Customization***	Logo / text printing on request

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- * Actual Read range may vary depending upon the reader and environmental factor
 - ** Other on request
 - *** Available as an option at extra cost
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Order Information

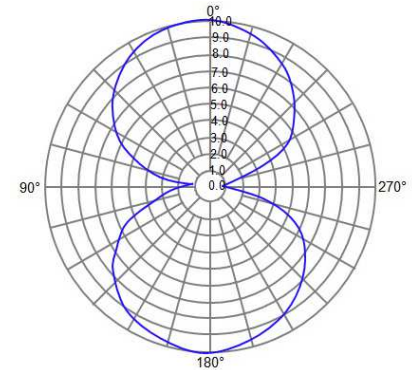
Part No.	Description
U4032911-EU	Alien higgs-3 chip tuned at ETSI frequency
U4032911-US	Alien higgs-3 chip tuned at US frequency

Dimensions



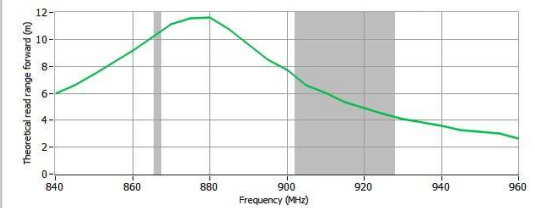
Radiation Pattern Graph

(Orientation v/s Read Range)



Linear Frequency Graph

(Frequency v/s Read Range)



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