

# DATASHEET

## UHF Tire Patch Tag

Tag Code: U6722911

UHF Tire Patch tag is specially designed for tire tracking and management application after the tires are manufactured. These tags are designed to meet all requirements in terms of pressure, heat, and chemical resistance in the Application of Contactless Tracking of tire.



### 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*	3 – 4 m when placed on tire
	It is strictly recommended to test with tire only

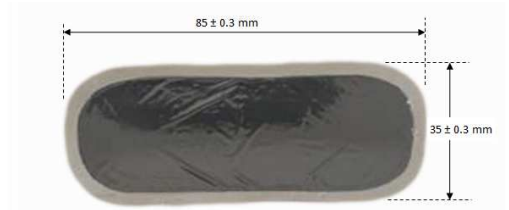
### Physical / Mechanical Specification

Dimensions	85 x 35 x 3 ± 0.3 mm
Colour	Black & Grey
Weight	5.6 g
Encasement	Rubber
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +95°C
Moulding pressure	Up to 5000 kPa
Ingress protection rating	IP68
Attachment***	Self Adhesive
Applicable surface	All types of tires

## Dimensions



## Chemical Resistance

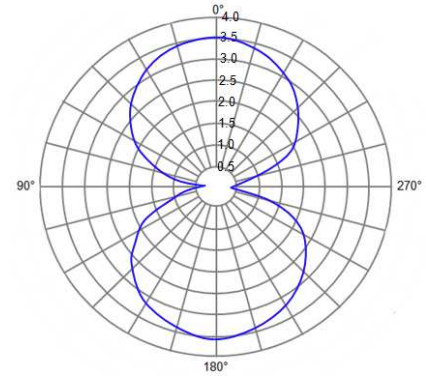
Resistant to continuous exposure to salt water for 2 hours  
 Resistant to continuous exposure to motor oil for 2 hours  
 Additionally, abrasion resistant against HCL and IPA

## Additional Services

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

## Radiation Pattern Graph

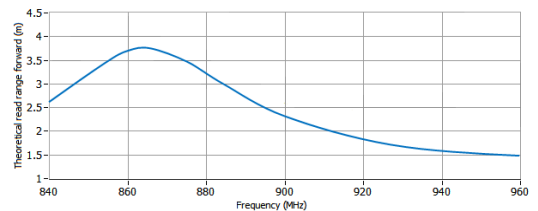
(Orientation v/s Read Range)



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

## Linear Frequency Graph

(Frequency v/s Read Range)



## Order Information

Part No.	Description
U6722911-EU	With Alien higgs-3 chip tuned at ETSI frequency
U6722911-US	With Alien higgs-3 chip tuned at US frequency
U6722928-EU	With Impinj M4QT chip tuned at ETSI frequency
U6722928-US	With Impinj M4QT chip tuned at US frequency

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