



Manufacturer of RFID tags

DATASHEET

UHF Silicone Wristband Tag

Tag Code: U6171510

Silicone Wristband tag is developed with soft silicone rubber material marking it gentle and non allergic to skin. It can be used for access control and people tracking at events such as marathons and in museums, amusement parks etc. It can also be used for patient tracking in hospital.



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 Wrist – Up to 2.5 m

Physical / Mechanical Specification

Dimensions	65 x 13 x 28 ± 0.2 mm
Colour**	Blue / Yellow
Weight	28 g
Encasement	Silicone rubber
Quality Assurance	100% reader tested

Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP68
Attachment	Wearable in human Wrist
Applicable surface	Human wrist

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

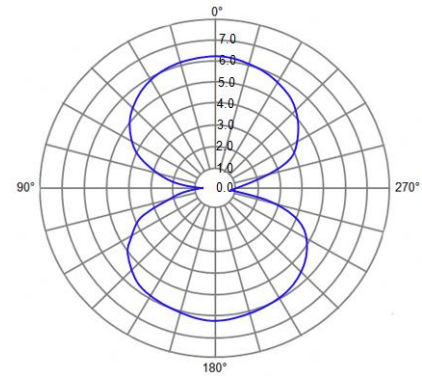
Part No.	Description
U6171510-EU	Alien higgs-3 chip tuned at ETSI frequency
U6171510-US	Alien higgs-3 chip tuned at US frequency
U6171512-EU	Alien higgs-4 chip tuned at ETSI frequency
U6171512-US	Alien higgs-4 chip tuned at US frequency

Dimensions



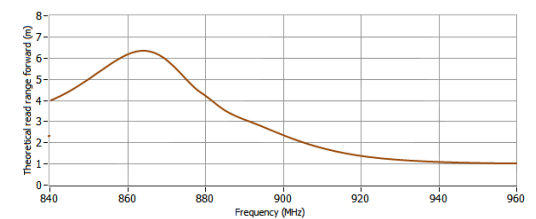
Radiation Pattern Graph

(Orientation v/s Read Range Orientation)



Linear Frequency Graph

(Frequency v/s Read Range Orientation)



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