



Manufacturer of RFID tags

# DATASHEET

## UHF Genie Tag

Tag Code: U6311510

Genie Tag is designed for asset tracking specifically for on-metal applications. The small size of the tag makes it a good fit for IT assets identification and tracking. The tag reads from a good distance when attached to metal surfaces and can be affixed to the asset using strong self-adhesive or a cable tie through the side slot.



## 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*(Fixed Reader with Linear Antenna)	On metal – Up to 6.0 meter

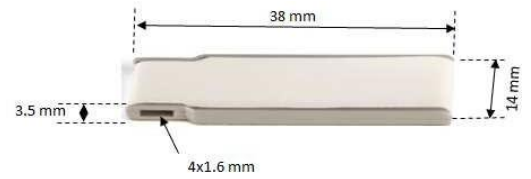
## Physical / Mechanical Specification

Dimensions	38 x 14 x 3.5 ± 0.2 mm
Slot Size	4 x 1.6 mm
Weight	2.0 g
Encasement	ABS & Polyester label
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP54
Attachment***	Self Adhesive / Cable tie
Applicable surface	Metal

## Dimensions

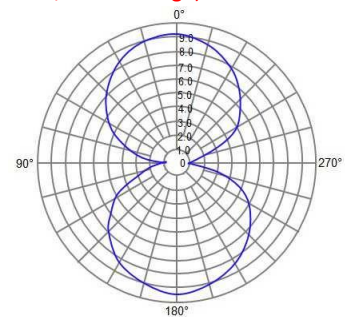


## Chemical Resistance

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

## Radiation Pattern Graph

(Orientation v/s Read Range)

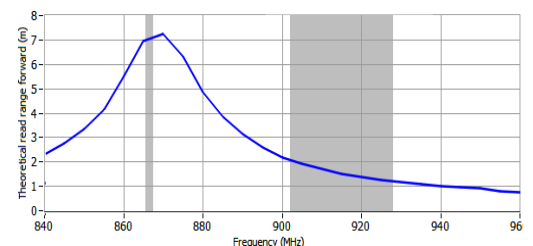


## Additional Services

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

## Linear Frequency Graph

(Frequency 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

## Order Information

Part No.	Description
U6311510-EU	Alien higgs-3 chip tuned at ETSI frequency
U6311510-US	Alien higgs-3 chip tuned at US frequency
U6311512-EU	Alien higgs-4 chip tuned at ETSI frequency
U6311512-US	Alien higgs-4 chip tuned at US frequency

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