

# DATASHEET

## UHF Metallica Tag

Tag Code: U1011510

Metallica tag is the UHF Gen2 long range passive tag. It is ideal for harsh environment and gives excellent performance on metallic objects.



### 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 metal – Up to 10 m Off metal – Up to 2 m

### Physical / Mechanical Specification

Dimensions	52 x 52 x 10 ± 0.2 mm
Colour**	Grey
Weight	25 g
Encasement	PC / ABS high Impact
Quality Assurance	100% reader tested

## Environmental Resistance

Operating temperature	-40°C to +80°C
Storage temperature	-40°C to +80°C
Ingress protection rating	IP67
Attachment***	Riveting/Screw/Magnetic/Adhesive
Applicable surface	Metal

## 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

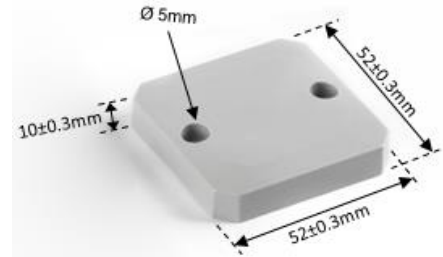
Pre-encoding	On request
Customization***	Logo / text printing on request

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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

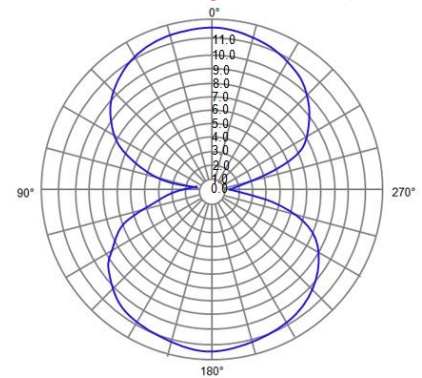
Part No.	Description
U1011510-EU	Alien higgs-3 chip tuned at ETSI frequency
U1011510-US	Alien higgs-3 chip tuned at US frequency
U1011512-EU	Alien higgs-4 chip tuned at ETSI frequency
U1011512-US	Alien higgs-4 chip tuned at US frequency

## Dimensions



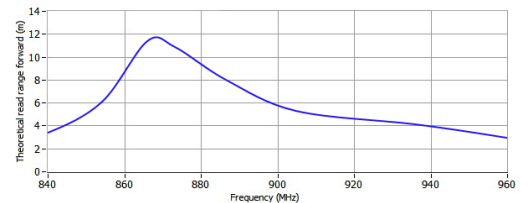
## Radiation Pattern Graph

(Orientation v/s Read Range Orientation)



## Linear Frequency Graph

(Frequency v/s Read Range Orientation)



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