



Manufacturer of RFID tags

DATASHEET

UHF Endura Tag

Tag Code: U6211510

Endura Tag is designed for metal application. It is very rugged constructed & high durable, it is overmolded tag. It reads from good distance when attached to metal. Can be fixed with the help of screws, rivets through holes provided or with industrial adhesive



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 10m Off metal – Up to 2 m

Physical / Mechanical Specification

Dimensions	95 x 35 x 8 ± 0.2 mm
Hole Dia	Ø 5.0mm
Weight	26 g
Encasement	ABS
Colour**	Grey
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***	Self Adhesive / Cable tie
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

* Actual Read range may vary depending upon the reader and environmental factor

** Other on request

*** Available as an option at extra cost

Order Information

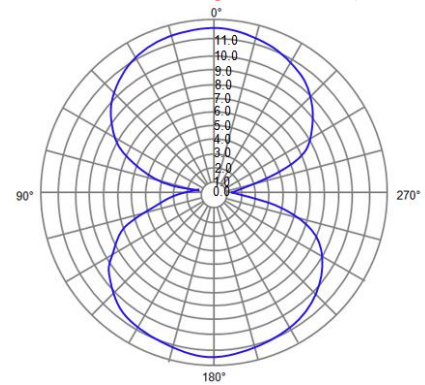
Part No.	Description
U6211510-EU	Alien higgs-3 chip tuned at ETSI frequency
U6211510-US	Alien higgs-3 chip tuned at US frequency
U6211512-EU	Alien higgs-4 chip tuned at ETSI frequency
U6211512-US	Alien higgs-4 chip tuned at US frequency

Dimension



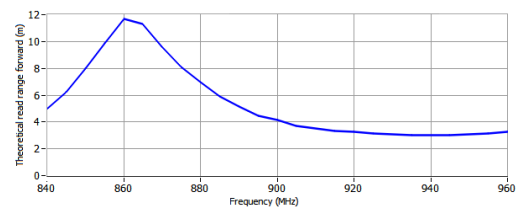
Radiation Pattern Graph

(Orientation v/s Read Range Orientation)



Linear Frequency Graph

(Frequency v/s Read Range Orientation)



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