

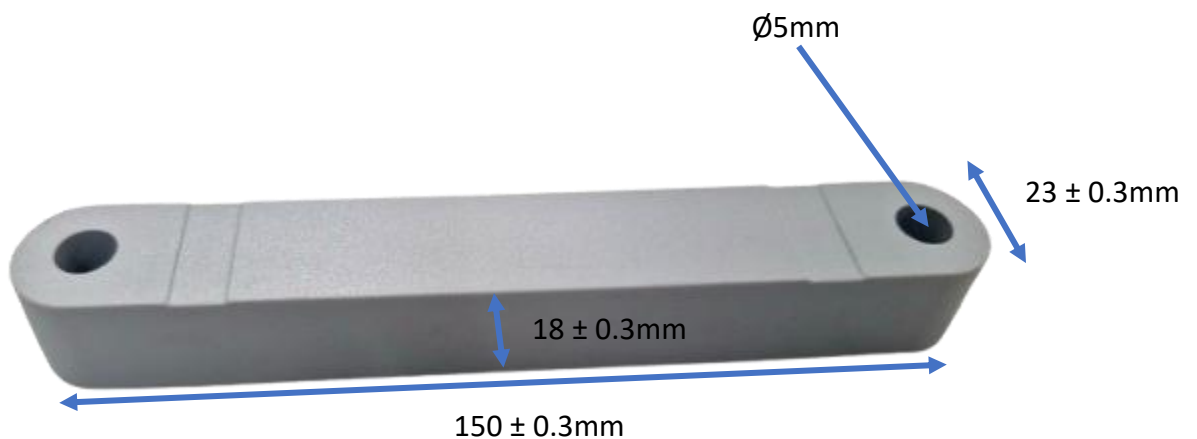
UHF Innova Tag

Product Code: U0412911

Innova Tag is a UHF Gen2 long range passive tag. It is ideal for deployment in rugged and harsh environments, and it gives excellent performance on metallic objects & plastic.



Tag Dimensions



Electrical Specifications

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 480 bits			
	64 Bit Unique TID			
	User memory – 512 bits			
	Access password – 32 bits			
	Kill password – 32 bits			
Product Code Read Range*	U0412911	U0522911	U0411510M	U0411510F
	Up to 15.0 m on Fixed Reader with Linear Antenna	Up to 15.0 m on Fixed Reader with Linear Antenna	Up to 10 m on Fixed Reader with Linear Antenna	Up to 12 m on Fixed Reader with Linear Antenna
Operating temperature	-40°C to +80°C			
Storage temperature	-40°C to +80°C			
Ingress protection rating	IP67/IP68			
Attachment***	Riveting/Screws/Magnetic/Adhesive			
Applicable surface	Metal			

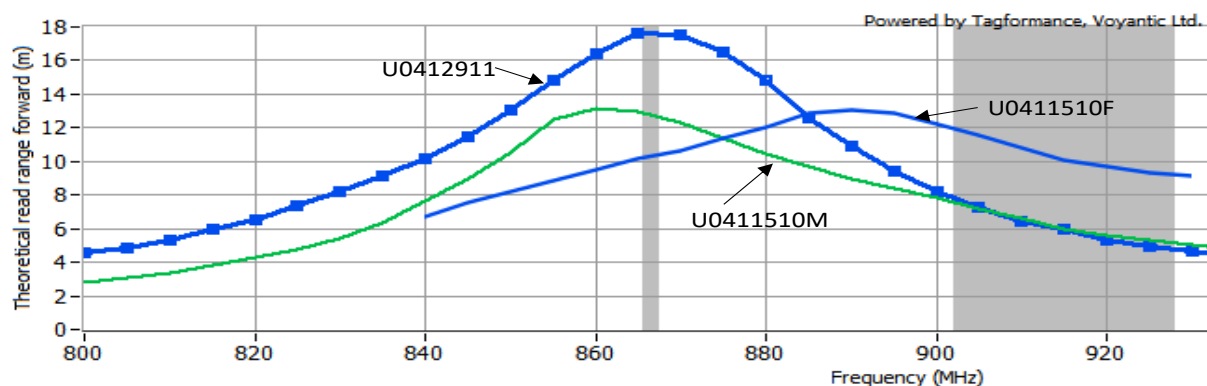
Physical and Mechanical Specification

Dimensions	150 x 23 x 18 ± 0.3 mm
Hole Diameter (Bottom Side)	5.0 mm
Colour**	Grey
Weight	35 g
Encasement	ABS High Impact / PC

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

Linear Frequency Graph



Additional Services

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

Order Information

U0412911-EU	Alien higgs-3 chip tuned at ETSI frequency (Wire Antenna)
U0412911-US	Alien higgs-3 chip tuned at US frequency (Wire Antenna)
U0522911-EU	Alien higgs-3 chip tuned at ETSI frequency (with magnet)
U0522911-US	Alien higgs-3 chip tuned at US frequency (with magnet)
U0411510M-EU / U0411510M-US	On Metal Tag with Alien higgs-3 chip tuned at ETSI/FCC frequency (Inlay Version)
U0411510F-EU / U0411510F-US	Free Air Tag with Alien higgs-3 chip tuned at ETSI/FCC frequency (Inlay Version)
U0412911-EU	Alien higgs-3 chip tuned at ETSI frequency (Wire Antenna)

- * Actual read range may vary depending upon the reader
- ** Other on request
- *** Available as an option at extra cost

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