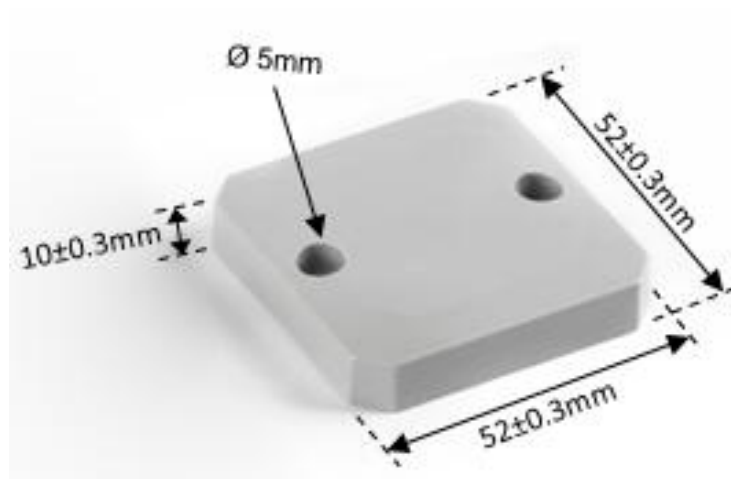# UHF Metallica Tag

Product Code: U1013623

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

Tag Dimensions

Electrical Specifications

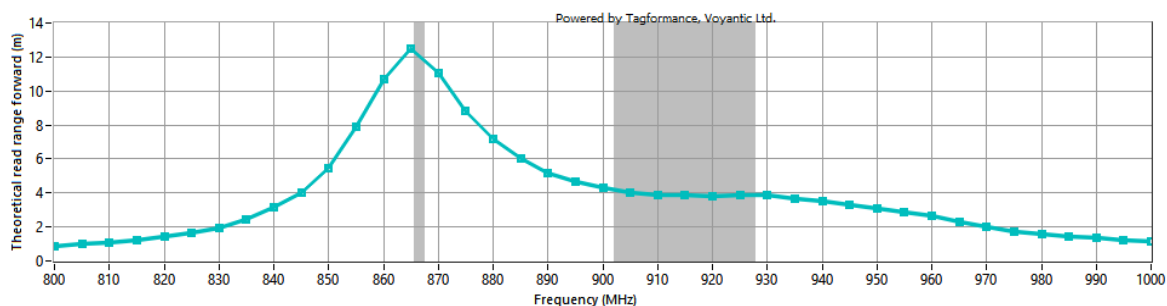|	
Air Interface Protocol	ISO/IEC 18000-6C, EPC Global C1G2
Operational Frequency	865 – 868 MHz or 902 – 928 MHz
Chip**	Alien Higgs-9
Memory Configuration	Up to 496-EPC Bits (nominally 96 bits)
	48 Bit Unique TID
	Up to 688 User Bits
	Access password – 32 bits
	Kill password – 32 bits
Read Range*	On metal – Up to 10m Fixed reader with linear antenna
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

Physical and Mechanical Specification

Dimensions	52 x 52 x 10 ± 0.3 mm
Hole Diameter (Bottom side)	Ø5mm
Colour**	Grey
Weight	25 g
Encasement	ABS high Impact / PC
Quality Assurance	100% reader tested

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

U1013623-EU	Alien higgs-9 chip tuned at ETSI frequency
U1013623-US	Alien higgs-9 chip tuned at US frequency
U1014122	With Monza M730 chip

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