

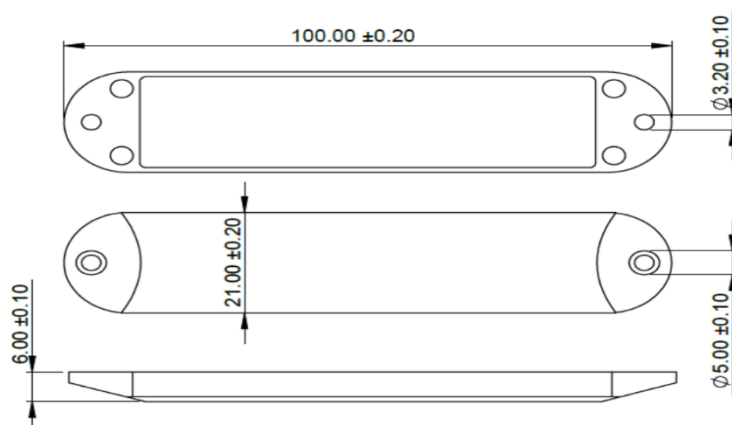
UHF Aries Tag

Product Code: U7511220

The Aries tag is a medium-sized UHF Gen2 passive tag with a long range. It is suited for harsh environments and gives excellent performance on metallic and non-metallic things. It is available in three variants: on-metal tag, off-metal tag (free air), and all-surface tag. Hence, it is a universal type of tag that may be used on any surface depending on the application.



Tag Dimensions



All dimension are in mm

Electrical Specifications

Air Interface Protocol	ISO/IEC 18000-63
Operational Frequency	860 – 960 MHz
Chip**	Impinj M730
Memory Configuration	EPC– Up to 128-bits
	TID – 96 bits of serialized with 48-bit serial number
	User memory – Up to 64 bits
	Access password – 32 bits
	Kill password – 32 bits
Read Range*	Off metal: Up to 16 meters on Fixed reader On metal: Up to 8 meters on a Fixed reader All surface: UP to 5 meters on Fixed reader
Operating Temperature	-40°C to +80°C
Storage Temperature	-40°C to +80°C
Ingress Protection Rating	IP67
Attachment***	Self-Adhesive / Rivet
Applicable Surface	Metal / All Surface / Off Metal

Physical and Mechanical Specification

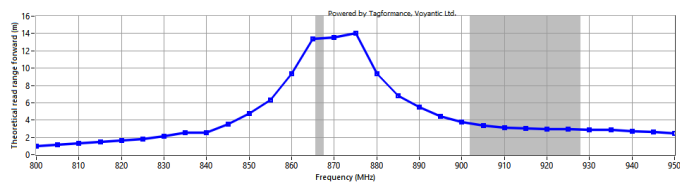
Dimensions	100 x 21 x 5 mm
Colour**	Grey
Weight	12 g
Encasement	ABS High Impact / PC
Quality Assurance	100 % Reader Tested

Chemical Resistance

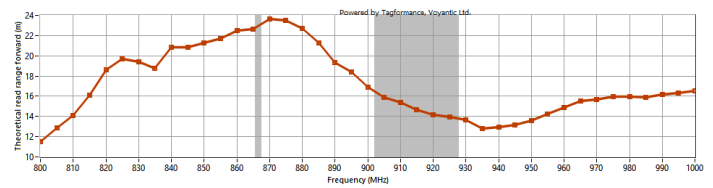
Resistant to continuous exposure to salt water for 2 hours
Resistant to continuous exposure to motor oil for 2 hours
Additionally, abrasion resistant against HCL and IPA

Frequency v/s Read Range Graph

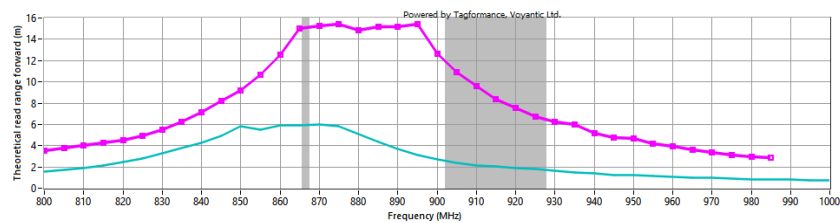
On Metal



Off Metal



All Surface



Additional Services

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

Order Information

U7511220M	With Impinj M730 (On metal)
U7511220O	With Impinj M730 (All Surface)
U7511220A	With Impinj M730 (Off metal)

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

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