

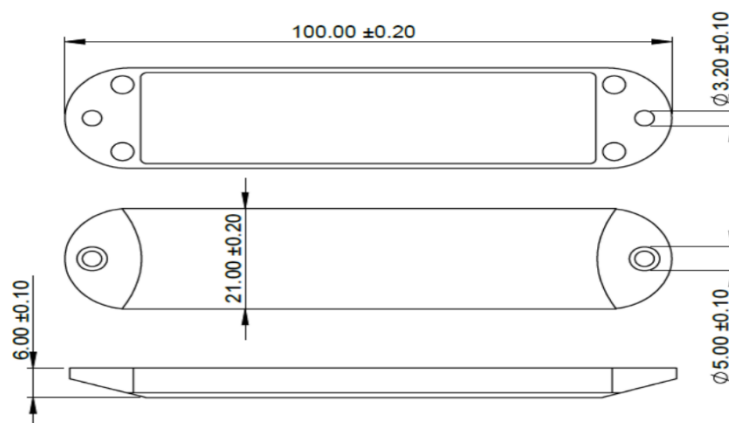
## UHF Aries Tag

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 Monza R-6P   |
| 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 13 meters on Fixed reader<br>On metal: Up to 8 meters on Fixed reader<br>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        | 100x21x6 mm          |
| Colour**          | Grey                 |
| Weight            | 12 g                 |
| Encasement        | ABS High Impact / PC |
| Quality Assurance | 100 % Reader Tested  |

## Chemical Resistance

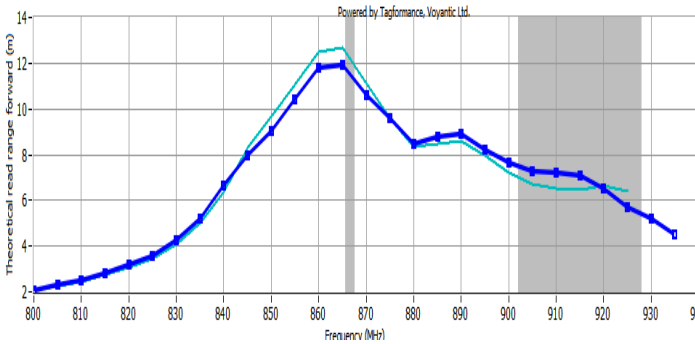
Resistant to continuous exposure to salt water for 2 hours

Resistant to continuous exposure to motor oil for 2 hours

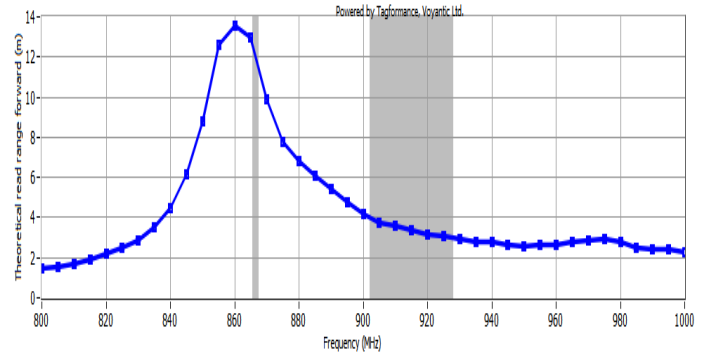
Additionally, abrasion resistant against HCL and IPA

# Frequency v/s Read Range Graph

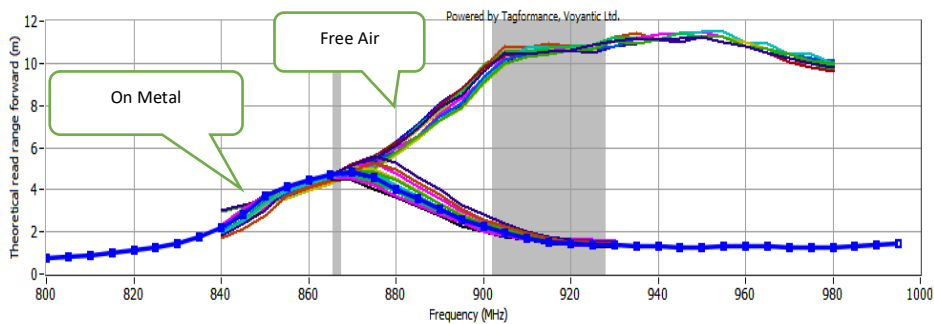
## On Metal



## Off Metal



## All Surface



## Additional Services

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

## Order Information

|           |                                      |
|-----------|--------------------------------------|
| U7511220M | With Impinj Monza R6-P (On metal)    |
| U7511220A | With Impinj Monza R6-P (All Surface) |
| U7511220F | With Impinj Monza R6-P (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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