

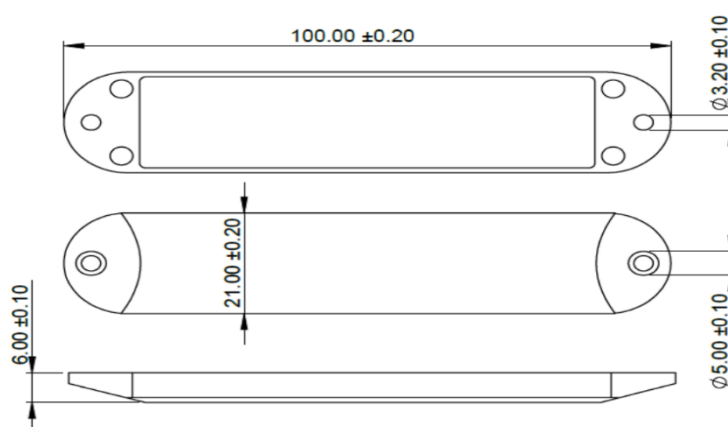
UHF Aries Tag

Product Code: U7514122

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 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

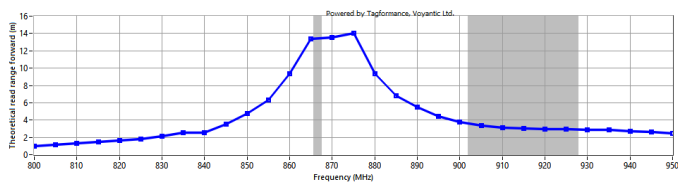
| | |
|-------------------|----------------------|
| Dimensions | 100 x 21 x 6 mm |
| Colour** | Grey |
| Weight | 12 g |
| Encasement | ABS High Impact / PC |
| Quality Assurance | 100 % Reader Tested |

Chemical Resistance

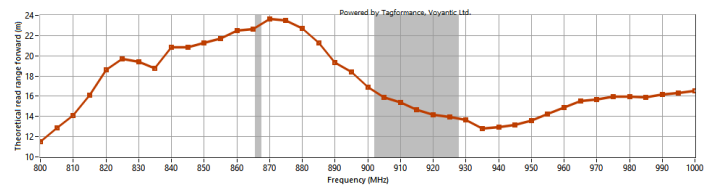
| |
|--|
| Resistant to continuous exposure to salt water for 2 hours |
| Resistant to continuous exposure to motor oil for 2 hours |
| Additionally, abrasion resistant against HCL and IPA |

Frequency v/s Read Range Graph

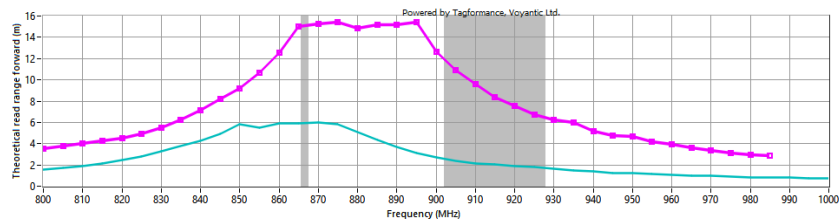
On Metal



Off Metal



All Surface



Additional Services

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

Order Information

| | |
|-----------|--------------------------------|
| U7514122M | With Impinj M730 (On metal) |
| U7514122O | With Impinj M730 (All Surface) |
| U7514122A | 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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