

UHF Trignonic Tag

Product Code: U1222911

UHF Trignonic Tag is a UHG Gen2, Long range, Passive tag. It is ideal for harsh environments and gives excellent performance on metallic objects and plastic surfaces. Tag applications included vehicle identification and asset tracking.



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 480bits |
| | TID – 96 bits unalterable unique |
| | User memory – 512 bits |
| | Access password – 32 bits |
| | Kill password – 32 bits |
| Read Range* | On metal – Up to 13.0 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 |
| Attachment*** | Riveting/Screw/Magnetic/Adhesive |
| Applicable surface | Metal |

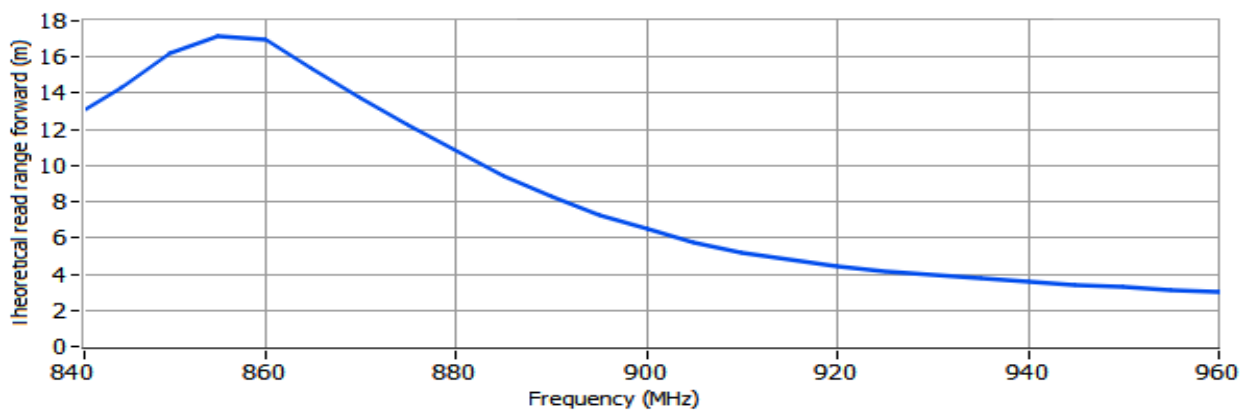
Physical and Mechanical Specification

| | |
|-------------------|---------------------------|
| Dimensions | 135 x23.3 x 15.5 ± 0.2 mm |
| Colour** | Black |
| Weight | 35 g |
| Encasement | PC / ABS High Impact |
| Quality Assurance | 100% reader tested |

Chemical Resistance

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|--|
| 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

| | |
|-------------|--|
| U1222911-EU | Alien higgs-3 chip tuned at ETSI frequency |
| U1222911-US | Alien higgs-3 chip tuned at US frequency |

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

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