



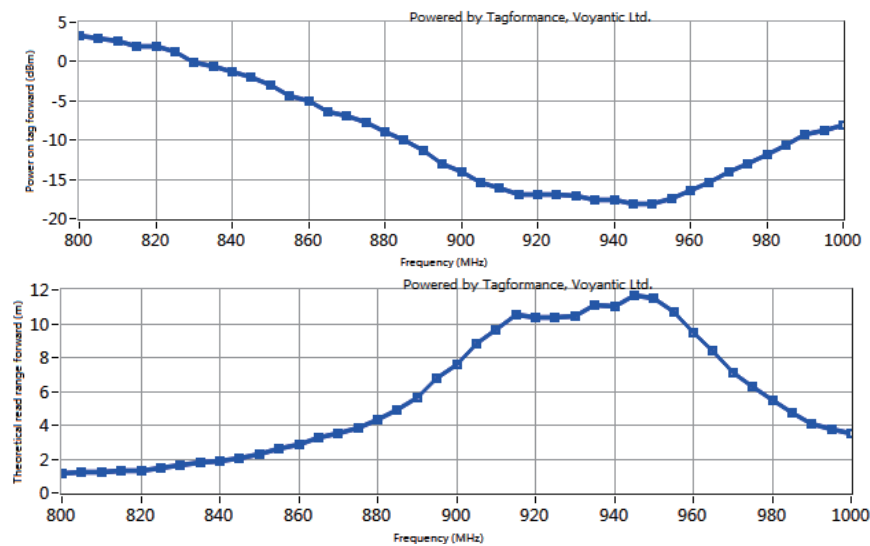
Functional Specifications:

|                                   |                                                                      |
|-----------------------------------|----------------------------------------------------------------------|
| RFID Protocol:                    | EPC Class1 Gen2, ISO18000-6C                                         |
| Frequency:                        | (US) 902-928MHz, (EU) 865-868MHz                                     |
| IC type:                          | NXP UCODE 8                                                          |
| Memory:                           | EPC 128 bits, USER 0 bits, TID 96 bits                               |
| Write Cycles:                     | 100,000 times                                                        |
| Functionality:                    | Read/write                                                           |
| Data Retention:                   | 50 Years                                                             |
| Applicable Surface:               | Metal Surfaces                                                       |
| Read Range :<br>(Fix Reader)      | 6.5m, (US) 902-928MHz, On Metal;<br>6.0m, (EU) 865-868MHz, On Metal; |
| Read Range :<br>(Handheld Reader) | 3.5m, (US) 902-928MHz, On Metal;<br>3.0m, (EU) 865-868MHz, On Metal. |
| Warranty:                         | 250°C, 1 Year<br>260°C, 6 month                                      |

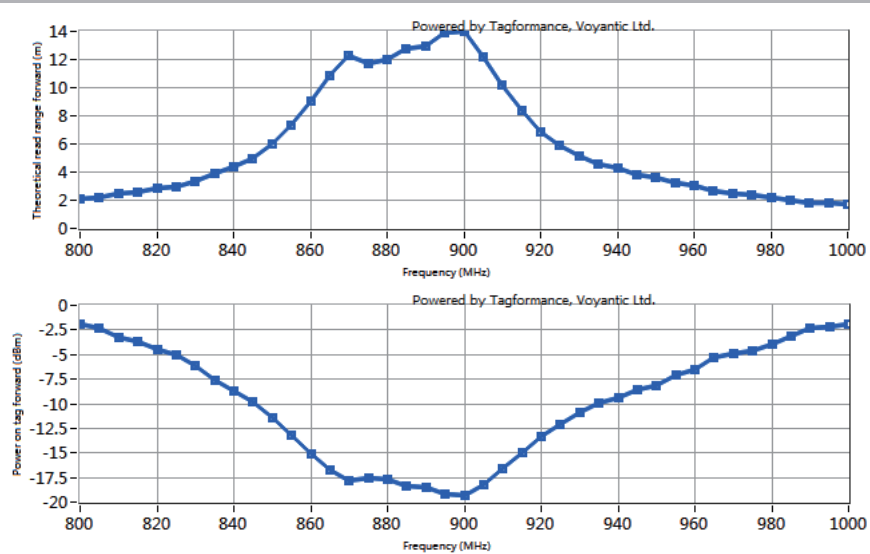
Physical Specification:

|                   |                                   |
|-------------------|-----------------------------------|
| Size:             | 41.0x29.0mm, Hole: D2.6mmx4       |
| Thickness:        | 11.8mm                            |
| Material:         | PEEK                              |
| Colour:           | Black                             |
| Mounting Methods: | Screw - Socket head cap screw(M2) |
| Weight:           | 19.0g                             |

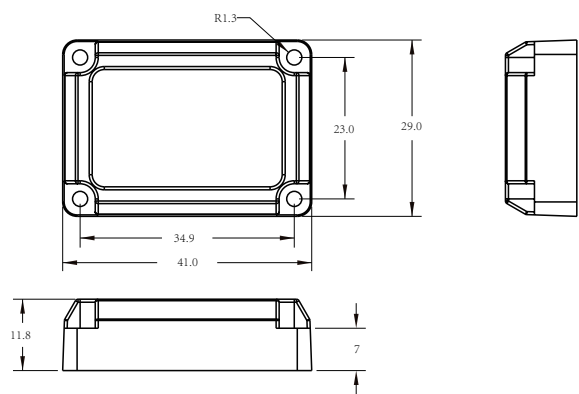
Devil-3002 U1:



Devil-3002 E1:



Dimensions:



## Environmental Specification:

|                                        |                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP Rating:                             | IP68, IP69K                                                                                                                                                                                                                                                                                                                                                                           |
| Withstand PH:                          | PH0 to PH14,and all other liquid that PEEK can handle with.                                                                                                                                                                                                                                                                                                                           |
| Storage Temperature:                   | -60°C to +250°C                                                                                                                                                                                                                                                                                                                                                                       |
| Operation Temperature:                 | -40°C to +150°C                                                                                                                                                                                                                                                                                                                                                                       |
| Reliability testing terms and results: | <ol style="list-style-type: none"><li>1. Heating in oven at 250°C for 4 hours;</li><li>2. Soaking in water 2 meters depth for 8 hours immediately;</li><li>3. Cleaning with ultrasonic at 70°C for 90 minutes;</li><li>4. 200Kpa pressure test for 2 hours under the high temperature and high humidity;</li></ol> After running 30 circles the above steps ,the tags with no damage. |
| Compression strength:                  | 150Mpa                                                                                                                                                                                                                                                                                                                                                                                |
| Certifications:                        | Reach Approved, RoHS Approved, CE Approved.                                                                                                                                                                                                                                                                                                                                           |

## Radiation pattern:

