



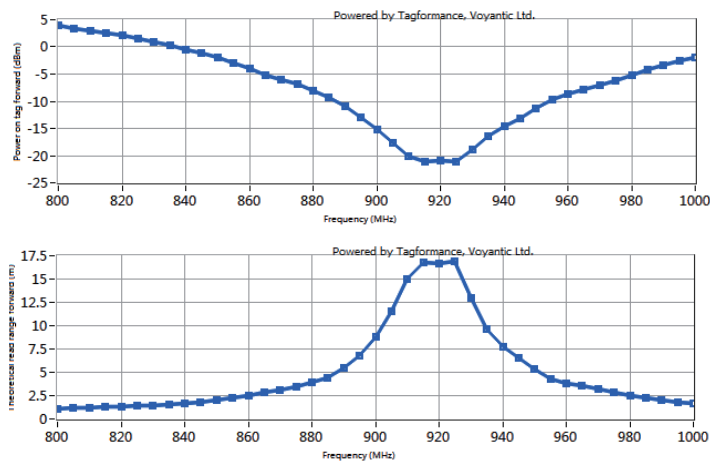
### Functional Specifications:

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| RFID Protocol:                    | EPC Class1 Gen2, ISO18000-6C                                     |
| Frequency:                        | US(902-928MHZ), EU(865-868MHZ)                                   |
| IC type:                          | NXP UCODE 8                                                      |
| Memory:                           | EPC 128bits , USER 0bits, TID 96bits                             |
| Write Cycles:                     | Minimum 100,000 times                                            |
| Functionality:                    | Read/write                                                       |
| Data Retention:                   | Up to 50 Years                                                   |
| Applicable Surface:               | Metal Surfaces                                                   |
| Read Range :<br>(Fix Reader)      | Up to 19.0m, US ( 902-928MHZ )<br>Up to 20.0m, EU ( 865-868MHZ ) |
| Read Range :<br>(Handheld Reader) | Up to 7.0m, US ( 902-928MHZ )<br>Up to 7.5m, EU ( 865-868MHZ )   |
| Warranty:                         | 1 Year                                                           |

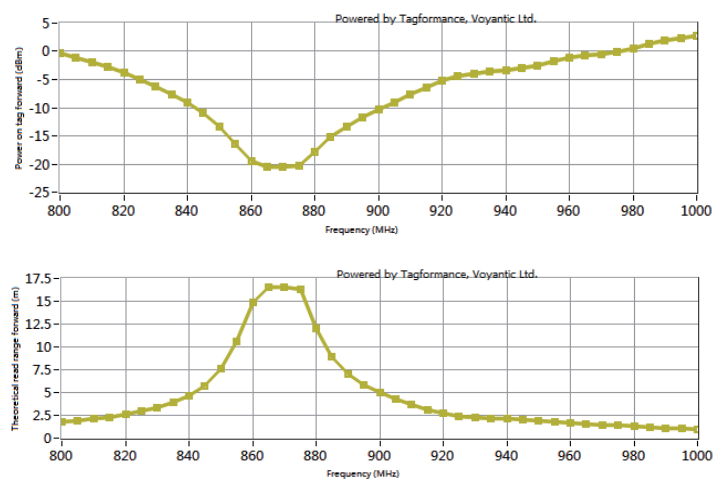
### Physical Specification:

|                   |                              |
|-------------------|------------------------------|
| Size:             | 105.0x30.0mm, Hole: D5.2mmx2 |
| Thickness:        | 7.5mm                        |
| Material:         | ABS+PC                       |
| Colour:           | White(Or Others)             |
| Mounting Methods: | Adhesive, Screw, binding     |
| Weight:           | 26.0g                        |

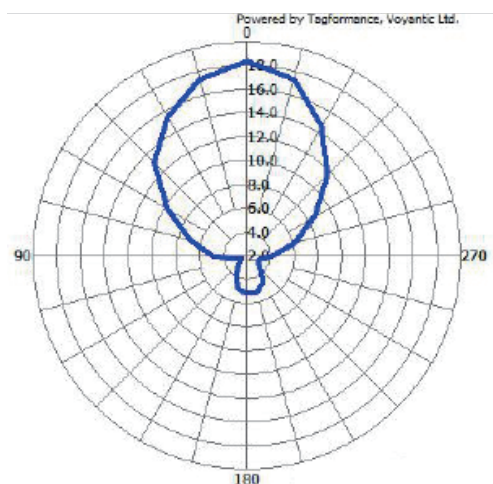
## OPP105U1:



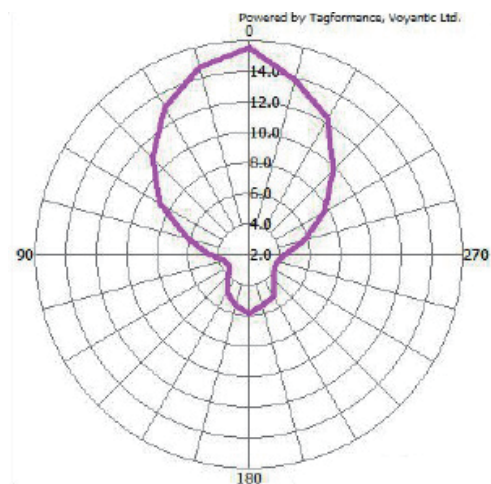
## OPP105E1:



## Radiation pattern:

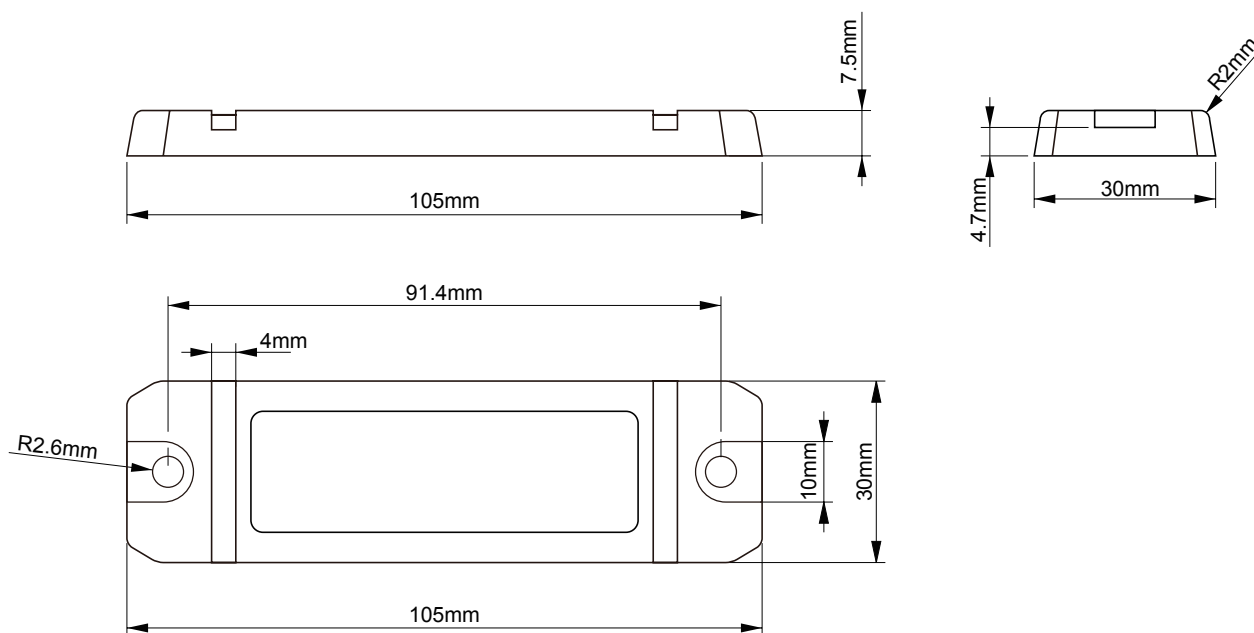


US(902-928MHZ)



EU(865-868MHZ)

## Dimensions:



## Environmental Specification:

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| IP Rating:             | IP68                                                       |
| Storage Temperature:   | -40°C to +85°C                                             |
| Operation Temperature: | -25°C to +85°C                                             |
| Certifications:        | Reach Approved, RoHS Approved, CE Approved, ATEX Approved. |