



MESONTAGS

the smarter way of identification

Description & Features

UHF PC-9525 is an EPC class 1 Gen2 passive RFID tag. it is designed to fix on metal surface based on FR-4 based material which make it durable to use in harsh environment. it can be used in countless applications like warehouse and logistic management, IT assets and automotive component tracking etc. customize printing of any logo and / or text can be done on it's surface.



UHF PC-9525 TAG (Part No. : 311EY9201)

www.mesontags.com

Electrical Characteristics

| | |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication ISO Protocol | ISO/IEC 18000-6C, EPC Class – 1 Gen2 |
| Operating Frequency band | 865 MHz or 915 MHz |
| Chip type | Alien Higgs-3 (Other upon request) |
| Memory Organization | <ul style="list-style-type: none"> • 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 5m |

| | |
|-----------------|----------------|
| Data retention | 50 Years |
| Endurance cycle | 100,000 Cycles |

Physical Characteristics

| | |
|-----------------|-------------------|
| Dimension | : 95 x 25 x 3.7mm |
| Hole size | : 3.0mm |
| Encasement | : FR-4 |
| Weight | : 12.5 gm |
| Color | : Black |
| Quality Testing | : 100% |

Environmental Characteristics

| | |
|-----------------------|----------------------------|
| Ingress Protection | : IP65 |
| Operating Temperature | : -25°C to +85°C |
| Storage Temperature | : -25°C to +85°C |
| Application | : On metal |
| Attachment/ mounting | : Adhesive / Screw / Rivet |

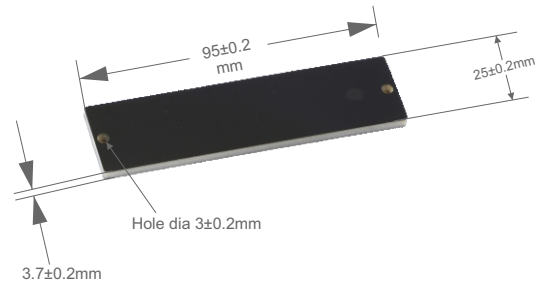
Chemical Characteristics

| | |
|-------------------------------------|-------|
| ■ Resistance to salt water exposure | : Yes |
| ■ Resistance to lubricant exposure | : Yes |
| ■ Resistance to IPA & thinner | : Yes |

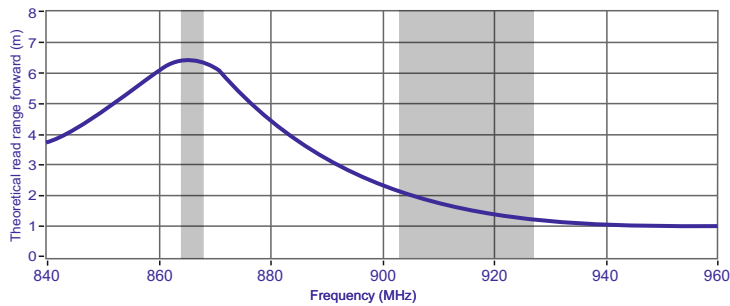
Additional Customization

| | |
|------------------------------|-------|
| ■ Encoding | : Yes |
| ■ Logo/Text/Barcode printing | : Yes |

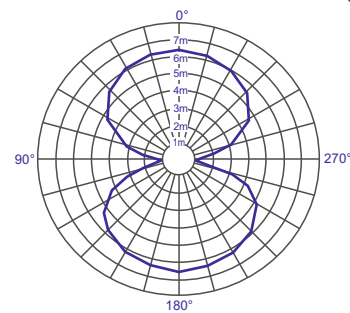
Dimensions



Frequency v/s read range graph



Orientation Readability



Best readability at 0° and 180° (i.e. Parallel to the reader antenna polarisation)
Worst readability at 90° & 270° (i.e. Perpendicular to the reader antenna polarisation)

Ordering code and descriptions

| | |
|-----------|---------------------|
| 311EY9201 | With ALN-Higgs-3_EU |
| 311FY9201 | With ALN-Higgs-3_US |
| 311EY9202 | With ALN-Higgs-4_EU |
| 311FY9202 | With ALN-Higgs-4_US |