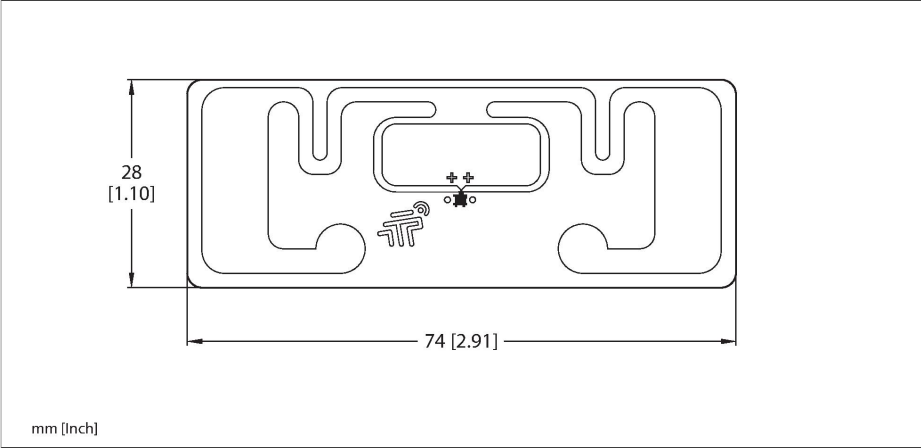


# TW860-960-L74-28-TEMP-B56-10PCS

## UHF Tag



### Technical data

|                                            |                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------|
| Type                                       | TW860-960-L74-28-TEMP-B56-10PCS                                       |
| ID                                         | 100050536                                                             |
| Remark to product                          | Smart-Label, self-adhesive                                            |
| Data transfer                              | Alternating electromagnetic field                                     |
| Technology                                 | UHF RFID                                                              |
| Region (UHF)                               | Global (860...960 MHz)<br>ETSI (865...868 MHz)<br>FCC (902...928 MHz) |
| Radio communication and protocol standards | ISO 18000-63<br>EPCglobal Gen 2                                       |
| Design                                     | Smart Label                                                           |
| Packaging unit                             | 1                                                                     |

### Technical data

|                            |                                                                       |
|----------------------------|-----------------------------------------------------------------------|
| Type                       | TW860-960-L74-28-TEMP-B56-10PCS                                       |
| ID                         | 100050536                                                             |
| Remark to product          | Smart-Label, self-adhesive                                            |
| Data transfer              | Alternating electromagnetic field                                     |
| Technology                 | UHF RFID                                                              |
| Region (UHF)               | Global (860...960 MHz)<br>ETSI (865...868 MHz)<br>FCC (902...928 MHz) |
| Reading range              | 6 m (2W ERP)                                                          |
| Memory type                | EEPROM                                                                |
| Chip                       | ASYGN AS3211                                                          |
| Memory size                | 56 Byte                                                               |
| Memory                     | Read/Write                                                            |
| Freely usable memory       | 12 Byte                                                               |
| EPC memory                 | 24 byte                                                               |
| Number of read operations  | unlimited                                                             |
| Number of write operations | 10 <sup>5</sup>                                                       |



### Features

- EEPROM, memory size 56 bytes
- UHF RFID tag with contactless temperature measurement
- Measuring range between -40 °C...+125 °C
- Measuring accuracy < 2 °C
- EPC memory size up to 24 bytes
- USER memory size up to 12 bytes
- TID memory: 12 bytes

### Functional principle

The UHF read/write heads form an air interface the size of which may vary, depending on the combination of read/write head and tag.

The read/write distances mentioned here only represent standard values measured under laboratory conditions and free from any influences caused by materials.

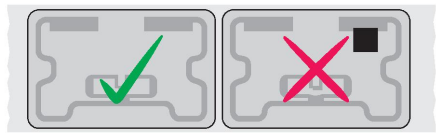
Attainable distances may vary due to component tolerances, mounting conditions, ambient conditions and material qualities, especially when mounted in metal.

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Technical data

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| Typical read time                          | 2 ms/Byte                       |
| Typical write time                         | 3 ms/Byte                       |
| Radio communication and protocol standards | ISO 18000-63<br>EPCglobal Gen 2 |
| Temperature during read/write access       | -40...+125 °C                   |
| Temperature outside detection range        | -70...+125 °C                   |
| Design                                     | Smart Label                     |
| Housing length                             | 74 mm                           |
| Housing width                              | 28 mm                           |
| Packaging unit                             | 1                               |

Mounting instructions/Description



**General Information**  
When mounting the tags, only remove them from the roll immediately before affixing them. Remove any dirt from the surfaces to be bonded and allow to dry. Liquids, oils, greases and other substances can reduce the effectiveness of the adhesive. If possible, affix the tag at room temperature (20–25 °C).  
  
Defective tags are indicated by a black dot. Please do not use this tag.  
Upon delivery, the number of marked defective tags is added to the total number of Smart Labels delivered.