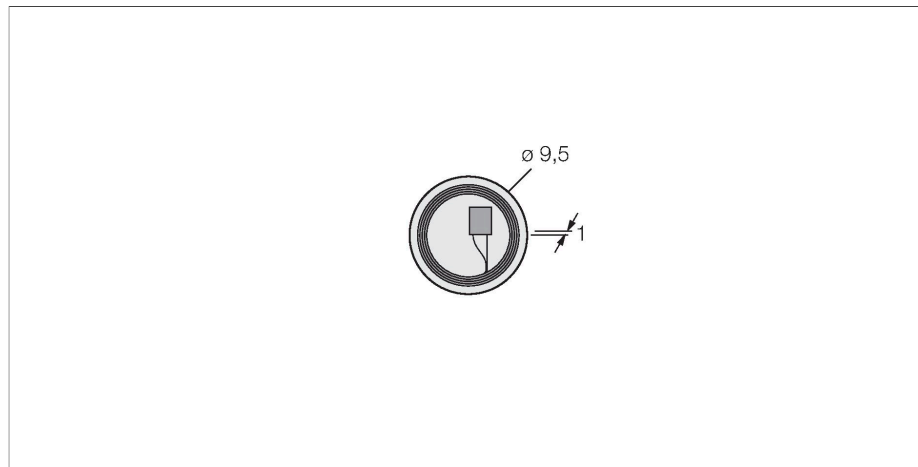


# TW-R9.5-B128 100 PCS

## HF Tag



### Features

- EEPROM, memory 128 byte
- Not for direct mounting on metal

### Functional principle

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and tag used.

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

The read/write distances of tags suitable for mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % 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 on-the-fly reading and writing!

### Technical data

|  |                        |
|--|------------------------|
| Type                                       | TW-R9.5-B128 100 PCS   |
| ID   | 7030252                |
| Remark to product                          | Small design           |
| Data transfer                              | Inductive coupling     |
| Technology                                 | HF RFID                |
| Operating frequency                        | 13.56 MHz              |
| Memory type                                | EEPROM                 |
| Chip                                       | NXP I-Code SLI-X       |
| Memory                                     | 128 Byte               |
| Memory                                     | Read/Write             |
| Freely usable memory                       | 112 Byte               |
| Number of read operations                  | unlimited              |
| Number of write operations                 | 10 <sup>5</sup>        |
| Typical read time                          | 2 ms/Byte              |
| Typical write time                         | 3 ms/Byte              |
| Radio communication and protocol standards | ISO 15693<br>NFC Typ 5 |
| Minimum distance to metal                  | 10 mm                  |
| Temperature during read/write access       | -25...+85 °C           |
| Temperature outside detection range        | -40...+85 °C           |
| Design                                     | Hard tag, R9.5         |
| Diameter                                   | 9.5 mm +/- 0.4 mm      |
| Housing material                           | Plastic, Epoxy         |
| Active area material                       | Plastic, Epoxy         |
| Protection class                           | IP68                   |
| Packaging unit                             | 100                    |