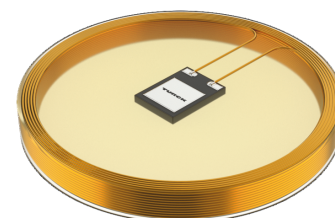
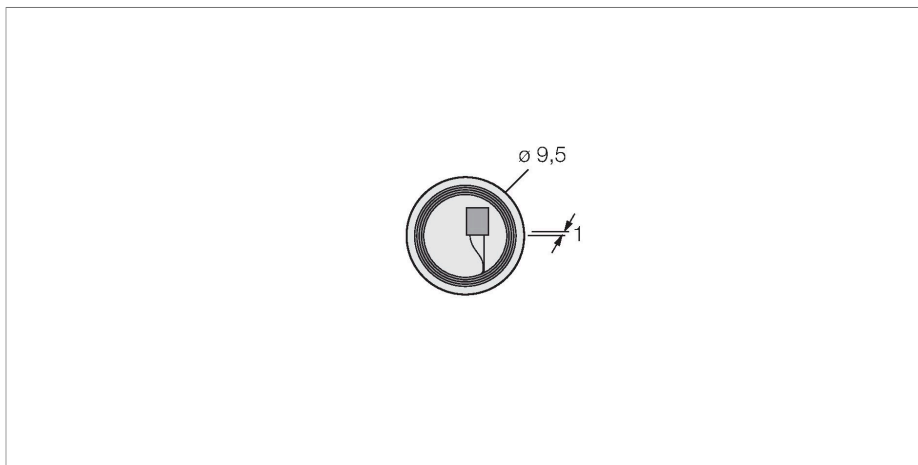


TW-R9.5-K2 100 PCS PER PAC HF Tag



Technical data

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|--|----------------------------|
| Type | TW-R9.5-K2 100 PCS PER PAC |
| ID | 7030558 |
| Remark to product | Small design |
| Data transfer | Inductive coupling |
| Technology | HF RFID |
| Operating frequency | 13.56 MHz |
| Memory type | FRAM |
| Chip | Fujitsu MB89R118 |
| Memory size | 2048 Byte |
| Memory | Read/Write |
| Freely usable memory | 2000 Byte |
| Number of read operations | unlimited |
| Number of write operations | 10 ¹⁰ |
| Typical read time | 0.5 ms/Byte |
| Typical write time | 0.5 ms/Byte |
| Radio communication and protocol standards | ISO 15693 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 height | 1 mm +/-0.2 mm |
| Housing material | Plastic, Epoxy |
| Active area material | Plastic, Epoxy |

Features

- FRAM memory 2 kB
- 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

| | |
|------------------|------|
| Protection class | IP68 |
| Packaging unit | 100 |