



Model Number

IQC24-50F-T10

Data carrier

Features

- Operating frequency 13.56 MHz
- With extended temperature range up to 220 °C (428 °F)
- Conforms to ISO 15693
- 992 bytes memory freely available
- Readable and writable from both sides
- Degree of protection IP68
- Mounting holes for simple installation

Matching system components

IQZ-MH-50F

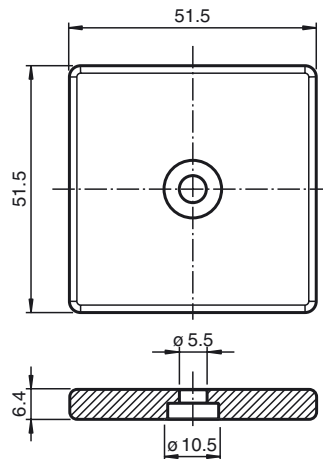
Spacers for code/data carrier

Accessories

ICZ-MH30-25-T10

Spacers for code/data carrier

Dimensions



Technical data

General specifications

| | |
|---------------------|-----------|
| Operating frequency | 13.56 MHz |
| Transfer rate | 26 kBit/s |

Memory

| | |
|-----------------------|----------------------------|
| Chip Type | my-d SRF 55V10P (Infineon) |
| EEPROM | 992 Bit |
| UID | 64 Bit |
| Memory organization | 4 bytes/block |
| Read cycles | unlimited |
| Write cycles | > 100000 |
| Data retention period | 10 years at 55 °C (131 °F) |

Directive conformity

| | |
|--|-------------------------|
| Radio and telecommunication terminal equipment | |
| Directive 2014/53/EU | EN 300330-2:2015 V1.6.1 |

Standard conformity

| | |
|----------------------|--|
| Degree of protection | EN 60529:2000 |
| RFID | ISO/IEC 15693-1:2010 , ISO/IEC 15693-2:2006 , ISO/IEC 15693-3:2009 , ISO/IEC 18000-3:2010 |

Ambient conditions

| | |
|---------------------|---|
| Ambient temperature | -40 ... 85 °C (-40 ... 185 °F) |
| Storage temperature | -40 ... 220 °C (-40 ... 428 °F) 220 °C (473 K) for 1000 hours or 1500 cycles of 30 min |
| Climatic conditions | 100 % non-condensing |

Mechanical specifications

| | |
|----------------------|------------------|
| Degree of protection | IP68 |
| Material | |
| Housing | PPS |
| Installation | |
| In air | yes |
| Mass | 25 g |
| Construction type | Rectangular type |

Notes

The transponder can be read and written from either side.

Notes

High temperatures will cause the housing to expand. If the housing is assembled under mechanical stress, the resulting pressure may damage the tag. Install the tag loosely to allow for expansion due to high temperatures.