



PRODUCT DATASHEET

my-d SRF55V02S

ISO 15693

PAV Card

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Chip manufacturer: Infineon
Product: my-d SRF55V02S

Memory:

EEPROM size: 320 bytes (256 bytes storage)
Write endurance: 100,000 cycles
Data retention: 10 years
Organisation: 32 pages (8 bytes storage + 2 bytes admin.)

RF-Interface:

According: ISO 15693
Frequency: 13.56 MHz
Baudrate: up to 26.5 kbit/s
Anticollision: yes
Operating Distance: up to 150 cm

Please note: Max. reading range depends on used RF standard, the requirements of national spectrum management authorities, reader application, antenna, transponder and

Security:

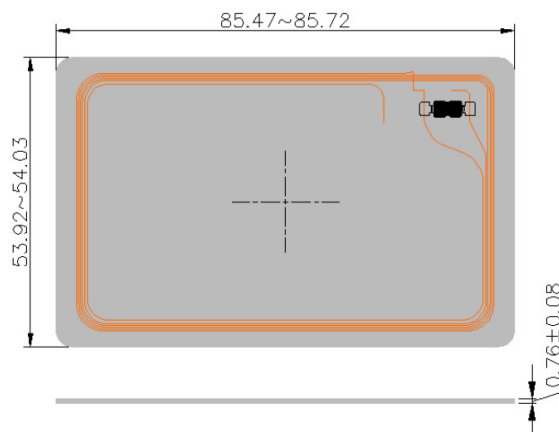
- High Security Authentication Unit (optional use)
- 2-way (mutual) authentication with 64-bit secret key between reader and transponder
- 2 keys for each sector allow hierarchical key management
- Multi-level security structure possible
- Individual access rights for each key within a sector for each page
- Only one sector can be opened at a time
- Data integrity supported by 16 bit CRC (ISO 3309) and 32 bit MAC (after authentication)
- Access protection of EEPROM by transport keys on chip delivery (optional use)

Special Features:

- EEPROM updating (erase and program) time maximum 4 ms per page
- Up to 15 sectors fully configurable (14 secure, 1 plain)
- ESD protection typical 4 kV
- Smart Electronic Article Surveillance (EAS)

subject to change without notice, errors excepted

Contactless cards in standard ISO format.
Produced according ISO 7810 / ISO 7816 - with advanced antenna and assembly technologies.



This picture shows a MCC2 module and its copper wire antenna. The contacting is realized by thermo compression-welding.

PVC is the standard material for contactless cards. Generally we can produce cards with other materials like PET, PEC, PC or composite. These alternative materials are on request.

We provide PVC cards with glossy or matt surface. The glossy surface allows the customer to personalise the cards by printing.

Additionally a microcontroller (contact chip) and/or magnetic strip (HiCo, LoCo) can be used for multiusage cards.

Additional Services:

Security:

- hologram
- signature panel
- magnetic stripe (incl. encoding)
- barcode
- UV printing

Chip encoding:

- encoding of contactless chip

Personalisation:

- thermo transfer / dye sublimation
- laser lettering
- embossing
- digital printing

Printing technologies:

- (UV-)offset printing
- silk-screen printing
- digital printing

Thermo rewrite function:

- thermo rewrite foil (optional one side covered or as stripe)