

# Transponder

## ISO Card

PART ID:

**1050-01-206-00**

ISO Card is the mostly used and popular form factor in RFID transponder. TECTUS can build ISO Card with a variety of materials. It also brings out elegant printing result.

### Main Specifications

|                       |   |
|-----------------------|---|
| Material              | PVC   |
| Operating Temperature | -35°C to 50°C   |
| IP Class              | IP68  |
| Compliance            | RoHs & Reach, CE  |
| Key Features          | High-Resolution Print, Cost-Effective, High Quality Card                                  |
| Options               | Offset Print, Silk Screen, Laser Engraving, Preprinted Artwork, Dual Frequency On Request |



### Chip Specification (Chip 206)

|           |                             |
|-----------|-----------------------------|
| Chip      | NXP - MIFARE Classic EV1 1K |
| Frequency | 13.56 MHz ( HF )            |
| Memory    | UID 4/7 Byte; User 1K Byte  |
| Norm      | ISO/IEC 14443A & 18000-3    |

## Full Specifications

|                   |  |
|-------------------|--|
| Product ID        | 1050   |
| Material          | PVC  |
| Shape             | Laminated  |
| Short Description | ISO Card is the mostly used and popular form factor in RFID transponder. TECTUS can build ISO Card with a variety of materials. It also brings out elegant printing result.  |
| Long Description  | These cards combine innovative printing and radio frequency identification (RFID) technologies with industry-leading knowledge in the production of secure identity components and solutions. Proven processes and automated manufacturing ensure efficient and cost-effective production of high quality cards. ISO cards are used in billions around the world, ranging from simple, non-technology printed loyalty cards to highly secure access control, payment or citizen ID cards. ISO 7816 Compliant |
| Key Features      | High-Resolution Print, Cost-Effective, High Quality Card   |
| Options           | Offset Print, Silk Screen, Laser Engraving, Preprinted Artwork, Dual Frequency On Request  |
| Comments          | Magnet Stripes: HiCo: 2750o.e. / 4000o.e. (3600o.e.) LoCo: 300o.e. / 650o.e.   |
| Article Type      | ISO Card   |

|                         |                  |
|-------------------------|------------------|
| Color                   | White            |
| Length [mm]             | 85.6             |
| Width [mm]              | 54               |
| Thickness [mm]          | 0.8              |
| Weight [g]              | 6                |
| Operating Temp °C (min) | -35              |
| Operating Temp °C (max) | 50               |
| Storage Temp °C (min)   | -35              |
| Storage Temp °C (max)   | 50               |
| IP Class                | IP68             |
| Chemical Resistance     | Not Specified    |
| Flame Resistance        | Not Specified    |
| Mechanical Resistance   | Not Specified    |
| Attachment Method       | Card Holder      |
| Compliance              | RoHs & Reach, CE |

## VARIANTS AND ICS

| ID             | Variant                   | Band | Type                  | ISO                         |
|----------------|---------------------------|------|-----------------------|-----------------------------|
| 1050-01-152-00 | ISO Card w. Magnet Stripe | LF   | EM4200/Unique         | ISO/IEC 11784/85 Compatible |
| 1050-01-260-00 | ISO Card w. Magnet Stripe | HF   | ICODE SLIX            | ISO/IEC 15693 & 18000-3     |
| 1050-01-349-00 | ISO Card w. Magnet Stripe | UHF  | Higgs 3               | ISO 18000-6C / EPC Gen2 V2  |
| 1050-01-206-00 | ISO Card w. Magnet Stripe | HF   | MIFARE Classic EV1 1K | ISO/IEC 14443A & 18000-3    |