

# 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

®TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

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