

Description :

The Vicinity Card Transponder from Texas Instruments is compliant with the ISO/IEC 15693 global standard for contactless integrated circuit cards operating at 13.56MHz. The card is based on TI's Tag-it™ Smart Label technology and allows interoperability of products from multiple manufacturers. With a user memory of 2K bits organized in 64 blocks, the 13.56 MHz card enables advanced solutions in a variety of markets, including access control, security, ticketing, public transportation, production control, warehouse management etc.. This card can be easily customized and personalized using standard thermo transfer printers. In applications where the card needs to be used with a clip, we recommend a pouch since punching a hole would destroy the product. In addition to the functionality defined in the ISO/IEC 15693 standard, the Vicinity Card Transponder also supports an extended set of command options, providing more system flexibility.



Features :

- ISO/IEC 15693 compliant
- 13.56MHz Operating Frequency
- R / W capability with data locking option
- 2k bit user memory
- Simultaneous Identification

TI Part Number	RI-TH1-CB1A
Standard	ISO 15693, ISO 18000-3
Frequency	13.56 MHz
Transmission Principle	ASK, FSK
Factory Programmed Read Only Number (bits)	64
User programmable Memory (bits)	2048
Security Features	ECC Compatible, Factory Memory Lock, User Memory Lock
Dimensions (mm)	85.6 x 54 x 0.76
Data Rate Downlink (kbits/s)	26
Package	Card
Anticollision	Yes
Data Retention Time (Years)	10 years
Programming Cycles	100,000
Operating Temperature Range (°C)	-25 to 50
Weight (g)	5
Case material	PVC (Polyvinylchloride), white
Mechanical Stability (Bending, Torsion)	According to ISO 10373