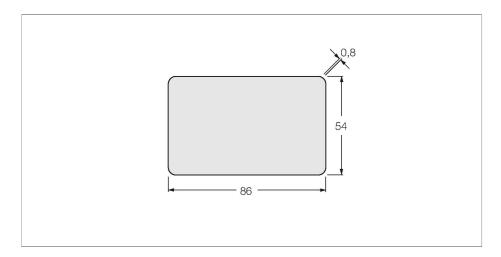


TW-L86-54-C-B128 HF Tag – Smart Card





Remark to product credit-card size Data transfer Inductive coupling Technology HF RFID Operating frequency 13.56 MHz Memory type EEPROM Chip NXP I-Code SLI-X Memory 128 Byte Memory Read/Write Freely usable memory 112 Byte Number of read operations unlimited Number of write operations 10° Typical read time 2 ms/Byte Radio communication and protocol standards NFC Typ 5 Minimum distance to metal 10 mm Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing material Plastic, PC Protection class IP67 Packaging unit 1	Туре	TW-L86-54-C-B128
Data transfer Inductive coupling Technology HF RFID Operating frequency 13.56 MHz Memory type EEPROM Chip NXP I-Code SLI-X Memory 128 Byte Memory Read/Write Freely usable memory 112 Byte Number of read operations unlimited Number of write operations 10° Typical read time 2 ms/Byte Typical write time 3 ms/Byte Radio communication and protocol standards NFC Typ 5 Minimum distance to metal 10 mm Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing material Plastic, PC Protection class IP67	ID	6900479
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Typical read time Typical write time 3 ms/Byte Radio communication and protocol standards Minimum distance to metal Temperature during read/write access Temperature outside detection range Design Housing length Housing width Housing material Plastic, PC Protection class Piscon is ms/Byte 3 ms/Byte 180 15693 NFC Typ 5 Minimum distance to metal 10 mm 10 plastic, °C Plastic, PC Protection class IP67	Number of read operations	unlimited
Typical write time 3 ms/Byte Radio communication and protocol standards NFC Typ 5 Minimum distance to metal 10 mm Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plastic, PC Protection class IP67	Number of write operations	10 ⁵
Radio communication and protocol standards Minimum distance to metal Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plostic, PC Protection class IP67	Typical read time	2 ms/Byte
Minimum distance to metal Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plostic, PC Protection class IP67	Typical write time	3 ms/Byte
Temperature during read/write access -25+50 °C Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plastic, PC Protection class IP67		
Temperature outside detection range -20+50 °C Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plastic, PC Protection class IP67	Minimum distance to metal	10 mm
Design smart card Housing length 86 mm Housing width 54 mm Housing material Plastic, PC Active area material Plastic, PC Protection class IP67	Temperature during read/write access	-25+50 °C
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Housing width 54 mm Housing material Plastic, PC Active area material Plastic, PC Protection class IP67	Design	smart card
Housing material Plastic, PC Active area material Plastic, PC Protection class IP67	Housing length	86 mm
Active area material Plastic, PC Protection class IP67	Housing width	54 mm
Protection class IP67	Housing material	Plastic, PC
	Active area material	Plastic, PC
Packaging unit 1	Protection class	IP67
	Packaging unit	1



Features

- EEPROM, memory 128 byte
- Not for direct mounting on metal

Functional principle

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and tag used.

The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.

The read/write distances of tags suitable for mounting in/on metal were determined in/on metal

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal). Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!