

## Q5 125kHz RFID IC Read/Write 264 bits

## **Features**

- 256 bits EEPROM memory, 8 words of 32 bits (224bits user memory), OTP function
- Typical operating frequency : 125kHz
- Contactless power supply, very low power (Iread=2μA, Iwrite=25μA)
- Several options of data rate and coding type (option selected by the user)
- Data Rate: 1 to 62kbd
- Modulation type: FSK (2 different), Manchester, Biphase, PSK (3 different) or NRZ Standard Sokymat configuration: Manchester, 2kBd (Unique code like)
- Operating Mode:

Max block feature: define the number of readable blocks

Password Mode: allows reading one word after password check
Direct Access Mode: allows reading one word without check of password
Answer On Request: modulation of transponder in the field on Request only
Modulation Defeat: command to stop modulation of transponder in the field

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Inverse data output: inverse the data stream

0 1

Fast write method: allows division of the programmation time by 2

Write protection: command to lock the words independently from one another

## **Memory Organisation**

L	User data or password	Block 7
L	User data	Block 6
L	User data	Block 5
L	User data	Block 4
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L User data Block 4
L User data Block 3
L User data Block 2
L User data Block 1
L Configuration Data Block 0

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