SID **SOKYMAT**
TAG **IDentification**

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
Inverse data output :	inverse the data stream
Fast write method :	allows division of the programmation time by 2
Write protection :	command to lock the words independently from one another

Memory Organisation

0 1   32

L	User data or password	Block 7
L	User data	Block 6
L	User data	Block 5
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