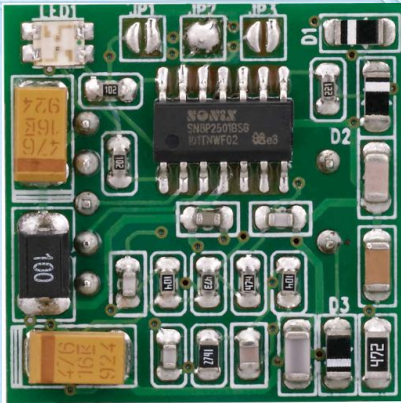


RM125SA Proximity Card Reader Module

Description



- The RM125SA is a proximity card reading module for transmitting radio frequency 125KHz ASK/FSK system.
- It is easily to be used to design the RFID products. Reading distant up to 70mm. the module operating voltage range is DC +3.0V to 5.5V. Output 21,26,39,41,44,48 bits data in Wiegand format or 85, 95,100, 115, 120 bits data in magnetic stripe ABA track II format which is most prevalent used in the industry, provide more feasibility to the users.
- A Bi-color LED enhances user feedback. The LED normal state is red when the proximity card ID is read and the ID code is transmitted to the host system, the LED turns green.
- The typical action time is 200ms.

Model	RM125SA	RM125SF	RM15693S
Power Supply	DC4.5 to 5.5V		
Transmitting Frequency	125KHz		13.56MHz
Power Consumption	Average 23mA Peak 30mA@5VDC		Average 30 Ma; Peak150mA@5VDC
Read Range with Internal Antenna	Up to 70mm (base on ISO card in noise-free environment)		Up to 100mm (In noise-free environment)
Output Protocol	Wiegand (EM44/26 bits or Casi Rusco 41/21 bits)	Wiegand (HID 26/48 bits)	Wiegand 72 bits
Transponder Type (optional)	EM or Casi Rusco 64 bit standard R/O or compatible	HID standard R/O or compatible	ISO/IEC 15693
Housing	Black plastic, fully waterproof (29 x 29 x 10 mm)		
Dimensions(mm)	25 x 25 x 8.5 mm		
LED Indicator	Bi-color (Red / Green)		
Humidity	5% ~ 95% (No Condensation)		
Operating Temperature	0°C ~ 70°C		
Antenna Parameter	L=1.3 ~ 1.5mH @125KHz for a free air application		L = 1.0 ~ 1.2 uh for a free air application