

GENERAL DESCRIPTION

Rhombus MF 301M is a high performance mastercard Issuing device which can config Mifare I S50, S70 compatible format marstercard. It can be applied in setting U series * reader. It can set U reader to read data in some a sector of Mifare I card.

* U series can read data in sectors.

FEATURE

- Built-in transceiver antenna
- Maximum effective distance up to 60mm;
- Low power dissipation with single power supply;
- Support RS232 output;
- Support Mifare I S50、S70 and its compatible IC card;
- Provide MasterCard issuing device software for user reference.

CHARACTERISTICS

- Absolute Maximum Ratings

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	15	V
Operating Temp.	TOPR	0~+70	℃
Storage Temp.	TSTR	-55~+125	℃

- Electrical and Mechanical Specification

Under $T_A = 25^{\circ}\text{C}$, $V_{CC} = +12\text{V}$ unless specified

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Power Supply	VCC	10	12	15	V
Current Supply	Ic		60	85	mA
Operation Freq.	FREQ		13.56		MHZ
Effective Distance*	DIS		50	90	mm

- Effective Distance depends on tags and operating environment.

Note: Rhombus' products must work with linear regulated power supply, and other kinds of power supply are prohibited.