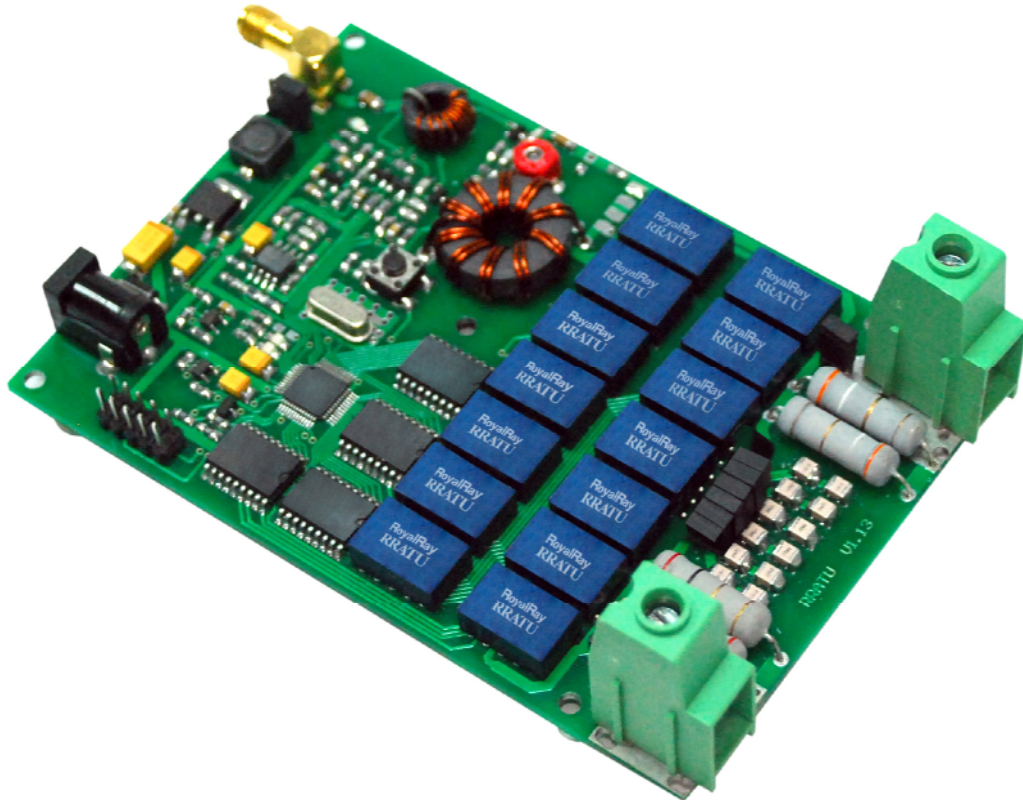


13.56MHz HF Antenna Auto-Tuning Unit



Model: RRATU

Size: 115mm×80mm

GENERAL DESCRIPTION

RRATU is a specially designed high performance HF antenna auto-tuning unit. Based on proprietary tuning algorithm, RRATU can realize fast and accurate 13.56MHz HF antenna tuning which will greatly facilitate on-the-spot HF antenna installation and adjustment. It can be widely applied in logistics, personnel identification, access control, production line control and other RFID systems.

FEATURES

- Fully proprietary intellectual property;
- Fast and accurate antenna tuning;
- No power needed after tuning;
- Tuning controllable by reader;
- Tuning manual triggered;
- Information exchange through RF cable.

CHARACTERISTICS

- Absolute Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	16	V
Operating Temp.	T _{OPR}	0 ~ +70	°C
Storage Temp.	T _{STR}	-25 ~ +80	°C

- Electrical and Mechanical Specification

Under T_A=25°C, VCC=+12.6V unless specified

ITEM	SYMBOL	MIN	TYP	MAX	UNIT
Power Supply	VCC	9	12	15	V
Working Current	I _C		70	200	mA
Frequency	F _{REQ}		13.56		MHz

*Effective distance depends on RF output power, antenna, tag and working environment.

Remark:

1. Specifications are subject to change, please pay attention to our latest one.
2. Shenzhen RoyalRay Science and Technology Co., Ltd. reserves the right to the final interpretation of the above terms.