

RT4-XXX

Radio Transmitter Module with SAW Resonator and External Antenna

General description



The RT4-XXX is an hybrid circuit that allows to realize a complete radio transmitter adding a coding circuit.

It shows stable electric characteristics thanks to the "Thick film hybrid" technology.

XXX: working frequency (315, 418, 433.92 MHz)

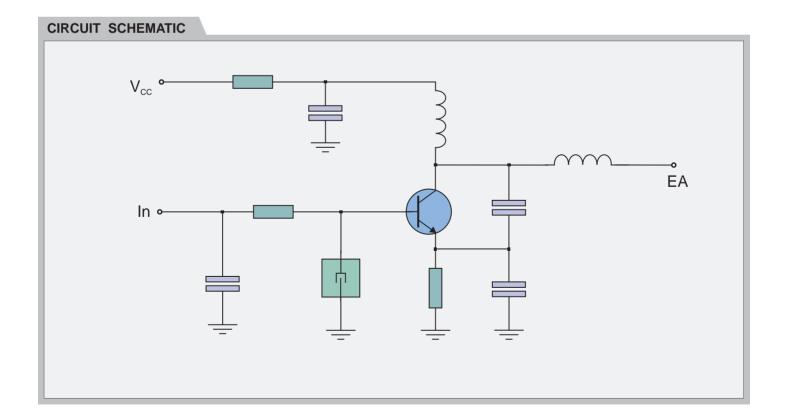
I-ETS 300 220 Compliance (RT4-433.92-IETS)

Applications

- Wireless security systems
- Car Alarm systems
- Remote gate controls
- Sensor reporting

Features

- High Reliability
- DIL Package



Electrical Characteristics

Ta = 25°C unless otherwise specified

	CHARACTERISTICS	MIN	TYP	MAX	UNIT
V_{cc}	Supply Voltage	2		14	VDC
Is	Supply Current (Vcc=5V IN=1KHz Square Wawe)		4		mA
F_{w}	Working Frequency	303.8		433.92	MHz
P _o	RF Output Power into 50Ω (Vi=5V, Vcc=12V)		7	10	dBm
	Harmonic Spurious Emission		-30		dBc
V_{IH}	Input High Voltage	2		V _{cc}	V
	Max Data Rate			4	KHz
T_{OP}	Operating Temperature Range	-25		+80	°C

Tipically, equipment utilizing this device requires emissions testing and government approval, wich is the responsibility of the equipment manufacturer.

Pin Description

1	V_{cc}	Supply Voltage
2	GND	Ground
3	IN	Modulation Input
4	ΕA	External Antenna

Mechanical Dimensions

