

RRF1-XXX-Y

FSK Superhet Receiver



General description

The RRF1-XXX is an FSK superhet data receiver with pre-Amplifier front end filter.

IF Frequency: 1 MHz

Typical sensitivity: -90 dBm

Supply current: 5.5 mA (typ)

Up to 250 meters range with RTF2-XXX transmitter.

I-ETS 300-220 Compliance

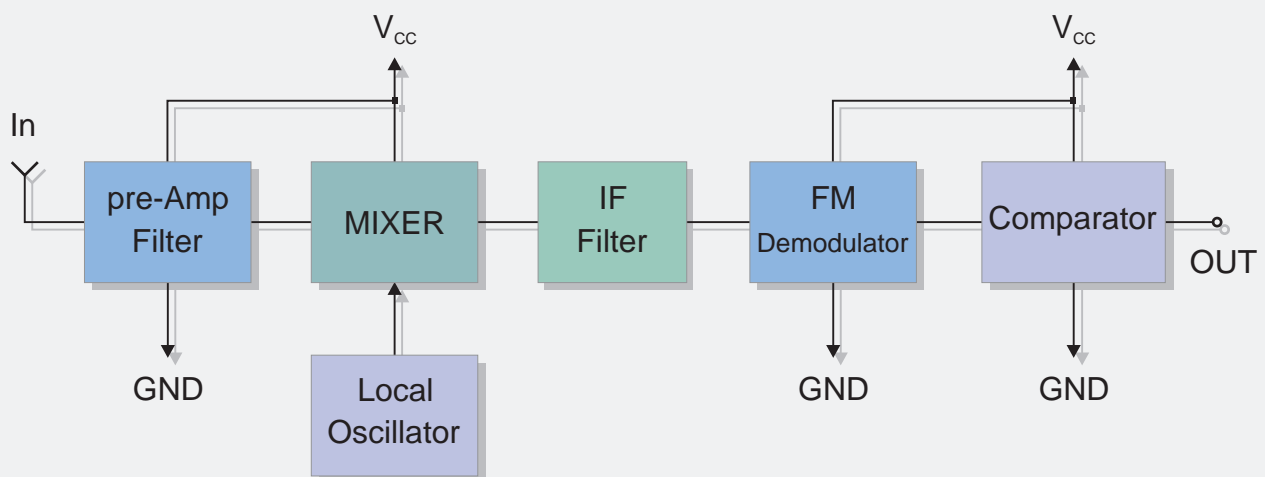
XXX: custom-specified working frequency
(315, 418, 433.92 MHz)

Y: Bit rate specification
A: 2.4Kbps B: 4.8Kbps C: 9.6Kbps

Applications

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

BLOCK DIAGRAM



Electrical Characteristics

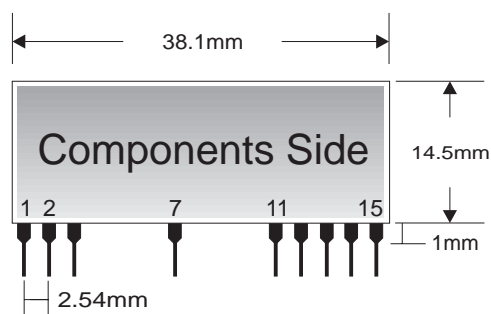
Ta = 25°C unless otherwise specified

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _{CC}	Supply Voltage	3.5	5	5.5	VDC
I _S	Supply Current		5.5	6	mA
	RF Sensitivity		A version: 2.4 Kbps B version: 4.8 Kbps C version: 9.6 Kbps		dBm
	Frequency Deviation		±25		KHz
B _w	-3dB Bandwidth		±400		KHz
	Level of Emitted Spectrum		-70	-65	dBm
V _{ol}	Low-Level Output Voltage (I=-200uA)			0.6	V
V _{oh}	High-Level Output Voltage (I=10uA)	V _{CC} - 0.5			V
T _{OP}	Operating Temperature Range	-25		+80	°C

Pin Description

1	V _{CC}	12	NC
2	GND	13	NC
3	IN	14	OUT
7	GND	15	V _{CC}
11	GND		

Mechanical Dimensions



TYPICAL APPLICATION

