

High performance SMD Super Het OOK Receiver

433.92 Mhz superhet receiver RED compliant
(Radio Equipment Directive 2014/53/EU)



RX-4MM5-SMD

P.N. 650201630G

DESCRIZIONE

Ricevitore super-eterodina ad alta sensibilità, alte prestazioni con uscita analogica RSSI. Compatibile con la RED (radio Equipment Directive) 2014/53/EU in particolare alle norme armonizzate:

- EN 301 489-3 : V2.3.2
- EN 300 220-2 : V3.2.1

Ingresso antenna protetto da scariche ESD, conforme alla normativa EN61000-4-2.

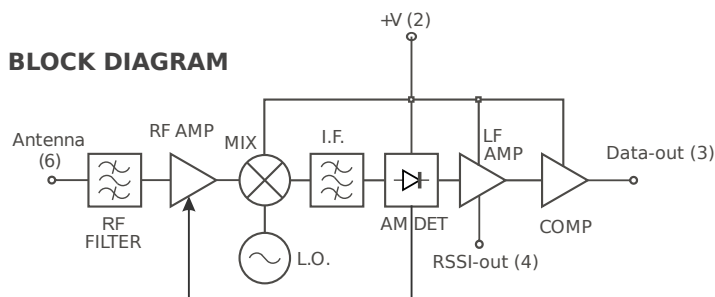
DESCRIPTION

High sensitivity, high performance 433,92MHz superhet OOK receiver with RSSI analog output signal. Compliant with RED (radio Equipment Directive 2014/53/EU):

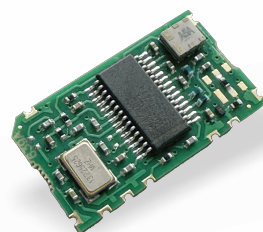
- EN 301 489-3 : V2.1.1
- EN 300 220-2 : V3.1.1

ESD antenna protection in compliance with EN61000-4-2.

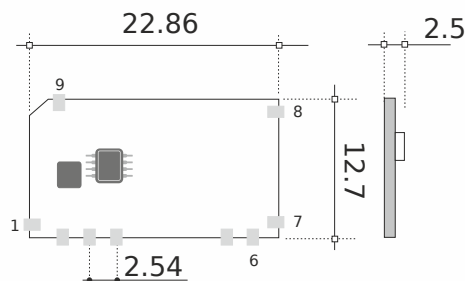
BLOCK DIAGRAM



COMPONENT SIDE



DIMENSIONS



PIN-OUT

- 1) GND
- 2) Vcc
- 3) Data Out
- 4) RSSI Out.
- 5) GND
- 6) Antenna
- 7) GND
- 8) GND
- 9) GND

TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Supply Voltage	Alimentazione	4.5	5	5.5	Vdc
Supply Current	Corrente Assorbita		5.8	6.5	mA
Reception frequency	Frequenza di ricezione		433.92		MHz
RF sensitivity*	Sensibilità RF*		-111	-113	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		280		KHz
RF power on 50 Ohm pin ant.	Potenza RF su 50 Ohm pin ant.			-60	dBm
Square wave output	Onda quadra in uscita	0.020	1	3	KHz
Output high voltage	Livello alto d'uscita	Vcc-0.6		Vcc-0.1	V
Output low voltage	Livello basso d'uscita	GND		GND+0.4	V
Switch on time	Tempo di accensione			4	msec
Operating temperature range	Temperatura di lavoro	-20		+85	°C

*RF generator with 100% modulation
*Generatore RF con modulazione 100%