

Band pass filtered Super Het FSK Receiver

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



RX-8MR50FM++

P.N. 650201569G

DESCRIZIONE

Ricevitore supereterodina FSK operante a 868.35 Mhz con filtro passa banda, compatibile con la RED (Radio Equipment Directive 2014/53/EU) e in particolare con le norme armonizzate:

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

Ingresso antenna protetto da scariche ESD, conforme alla normativa 61000-4-2.

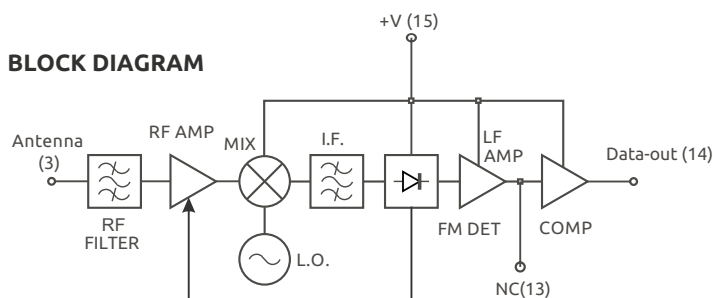
DESCRIPTION

FSK super-heterodyne receiver working at 868.35 Mhz with band pass filter, compliant with RED (Radio Equipment Directive 2014/53/EU) and in particular with harmonics standards:

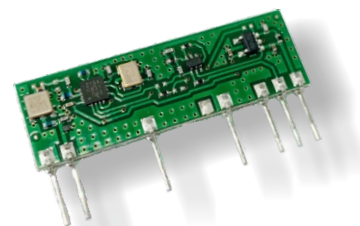
- EN 301 489-3 : V2.1.1
- EN 300 220-2 : V3.1.1

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

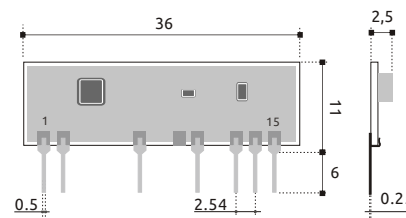
BLOCK DIAGRAM



COMPONENT SIDE



DIMENSIONS



PIN-OUT

- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Ground
- 13) NC
- 14) Data-out
- 15) +5V

TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Supply Voltage	Alimentazione	3	5	5.4	Vdc
Supply Current	Corrente Assorbita		6.5		mA
Reception frequency	Frequenza di ricezione		868.35		MHz
RF sensitivity	Sensibilità RF	-103	-104	-106	dBm
IF Bandwidth - 3dB	Banda passante IF a - 3dB		280		KHz
FM derivation transmitter	Deviazione FM trasmettitore		±30		KHz
RF power on 50 Ohm pin ant.	Potenza RF su 50 Ohm pin ant.			-80	dBm
Square wave output	Onda quadra in uscita		1	5	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			Tbd	msec
Operating temperature range	Temperatura di lavoro	-20		+85	°C

08.07.2022 - Rev A

