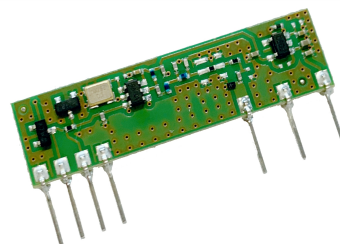


433,92MHz OOK transmitter

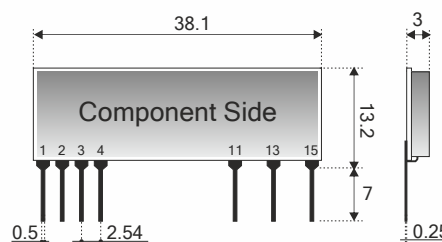
433,92MHz PLL OOK transmitter
with external antenna
(Radio Equipment Directive 2014/53/EU)



COMPONENT SIDE



DIMENSIONS



PIN-OUT

- 1) Ground
- 2) In modulation
- 3) In modulation
- 4) Ground
- 11) Antenna
- 13) Ground
- 15) +V

TX-NB4

P.N. 650201594G

DESCRIZIONE

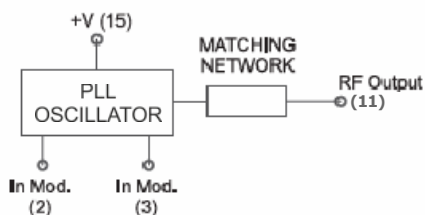
Trasmittitore pin-out standard Aurel, 433,92MHz modulazione OOK con tecnica PLL. Antenna esterna, conforme RED. Ampia gamma di alimentazione per sistemi alimentati a batteria. Funziona in modalità stand-alone, non necessita di programmazione mediante uC esterno

DESCRIPTION

Standard Aurel pin-out module 433,92MHz, OOK modulation transmitter. Full RED compliance, external antenna, improved modulation by PLL technique. Wide supply voltage range for battery operated systems. It works in stand-alone mode, no programming need.

BLOCK DIAGRAM

Block Diagram



TECHNICAL SPECIFICATION

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
Working frequency	Frequenza di lavoro	433.91	433,92	433,93	MHz
Power supply	Alimentazione	1.8	3	12	Vdc
RF output power	Potenza in uscita RF	10	11	13	dBm
50 Ohm ERP power armonica 4GHz	50 Ohm ERP potenza armonica 4GHz			-50	dBm
Output impedance pin ANT.	Impedenza di uscita pin ANT.		50		Ohm
Consumption Sleep mode	Consumi in Sleep mode		0.1	1	µA
Consumption (TX carrier)	Consumo (TX portante continua)		35	40	mA
Consumption (50% square wave)	Consumo (Onda quadra 50%)		26		mA
Modulation voltage input data	Ingresso tensione di modulazione	1.8		3.6	V
Data Rate	Velocità dati			10.000	bps
Switch time Sleep to TX	Tempo di commutazione Sleep to TX		0.7	1	ms
Switch time TX to Sleep	Tempo di commutazione TX to Sleep		90		ms
Working temperature	Temperatura di lavoro	-20		+80	°C