

Low Cost - Narrow Bandwidth Receiver

BC-NB

434 MHz

Pin-out

- 1) +V
- 2) Ground
- 3) Antenna
- 7) Ground
- 11) Ground
- 13) Test Point
- 14) Data Output
- 15) +V

3 mA MAX

5 Vdc

Information subject to change without notice

Description

High-miniaturization SIL thick-film hybrid circuit.

Low cost, low consumption, narrow bandwidth, high noise immunity and low antenna radiation.

EN 300 220 homologable.

The 300 MHz version has a RF -3dB bandwidth at ± 2 MHz (typ) and can be used in conjunction with LC oscillator transmitters.

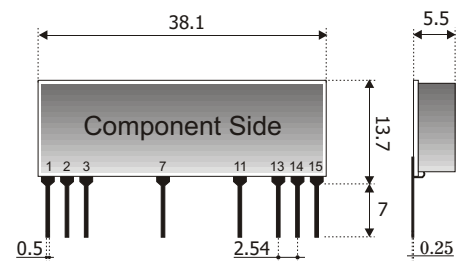
Descrizione

Ricevitore economico su allumina ad elevata miniaturizzazione.

Basso assorbimento, banda RF stretta, alta immunità ai disturbi di alimentazione e bassa radiazione in antenna. Omologabile EN 300 220.

Solo per la versione a 300 MHz la banda RF a -3dB risulta ± 2 MHz (tip) consentendo l'uso di TX con oscillatore libero.

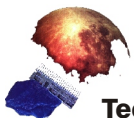
Mechanical Dimensions



Technical Specification

Ta = 25 °C

CHARACTERISTICS		MIN	TYP	MAX	UNIT
V _s	Supply Voltage • Alimentazione	4.5	5	5.5	Vdc
I _s	Supply Current • Corrente Assorbita		3		mA
F _w	Reception frequency • Frequenza di ricezione	220		434	MHz
S _I	RF sensitivity • Sensibilità RF		-97		dBm
B _w	- 3dB RF Bandwidth • Banda passante RF a - 3dB		± 1.2		MHz
S _o	Square wave output • Onda quadra in uscita			2	KHz
S _L	Spectrum emitted level • Radiazione in antenna		-65	-60	dBm
H _o	Output high voltage • Livello alto d'uscita	V _s - 0.4			V
L _o	Output low voltage • Livello basso d'uscita			GND + 0.4	V
T _{ON}	Switch-on time • Tempo di accensione			2.5	s
T _{OP}	Operating temperature range • Temperatura di lavoro	-20		+80	°C



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