NEW model

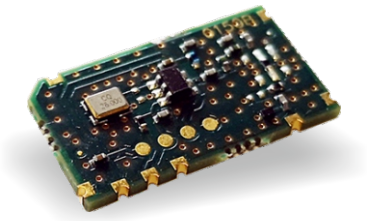
433 MHz ASK transmitter

for external antenna connection

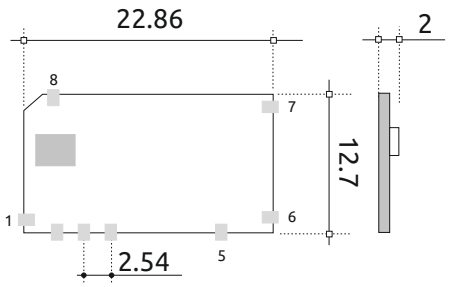
TX-434-SMALL

P.N. 650201459G

COMPONENT SIDE



DIMENSIONS



PIN-OUT

1) GND
2) +Vcc
3) TX Data
4) GND
5) RF Output
6) GND
7) GND
8) GND

DESCRIZIONE

Trasmettitore in tecnologia SMT operante a 433MHz in modulazione ASK.

Componente ideale da integrare su radiocomandi e circuiti di piccole dimensioni.

DESCRIPTION

SMT transmitter operating at 434 MHz in ASK modulation.

Ideal to be integrated in Key fobs, small hardware and portable devices.

TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE		MIN	TYP	MAX	UNIT
Centro-frequenza RF di trasmissione [2, 3]	Carrier frequency [2, 3]	433.91	433.92	433.93	MHz
Alimentazione	Supply voltage	1.8	3	3.6	V
Potenza ERP [2]	ERP power [2]		13		dBm
Potenza ERP armoniche fino a 4 Ghz [2]	ERP spurious up to 4 Ghz [2]			-40	dBm
Corrente assorbita in stand-by	Supply current in standby mode			1	µA
Corrente assorbita in trasmissione [4]	Supply current in TX [4]		16		mA
Corrente assorbita portante continua	Supply current in TX RF carrier			32	mA
Corrente assorbita portante continua	Supply current in TX RF carrier			5	mA
Tensione ingresso dati [1]	Data input voltage [1]	1.9	3	3.3	V
Frequenza di modulazione	Square wave modulation			10	kHz
Tempo di accensione standby > TX	Switch on time standby > TX			1.5	ms
Tempo di spegnimento TX	Switch off time TX			20	ms
Temperatura di funzionamento	Operating temperature	-20		+80	°C

NOTE 1: It is recommended that the max voltage applied to data input pin is equal to voltage supply.
NOTE 2: Values have been obtained by applying the test system shown in Fig. 1 and maximum 3,6 V power supply.
NOTE 3: The minimum and maximum showed values are determined by the device's construction tolerance.
NOTE 4: Values are determined by means of an input signal with duty cycle 50%.

11.06.2018 - Rev A

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