

# Low cost & high performance

434 MHz ASK/FSK TRANSCEIVER

## RTX-4M3V-ASK

P.N. 650201420G

## RTX-4M3V-FSK

P.N. 650201427G

### DESCRIZIONE

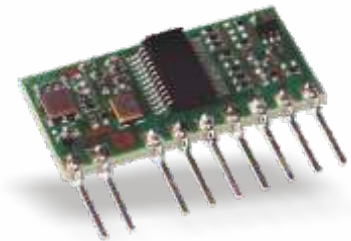
Ricetrasmittitore half-duplex operante a 433,92 MHz in modulazione ASK o FSK.

Ideale per essere integrato su radiocomandi, circuiti di piccole dimensioni, dispositivi portatili a basso assorbimento.

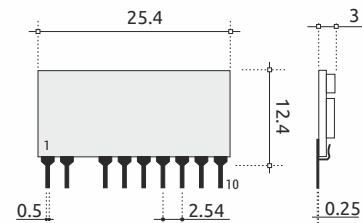
### DESCRIPTION

Half-duplex transceiver operating at 433,92 MHz ASK or FSK modulation.

Ideal to be integrated on Key-fobs, small hardware circuit, low consumption battery powered devices



### DIMENSIONS



### PIN-OUT

- 1) RF INPUT/OUTPUT
- 2) GND
- 4) DIGITAL DATA INPUT
- 5) TX/RX
- 6) ENABLE
- 7) GND
- 8) RSSI OUT
- 9) DIGITAL DATA OUTPUT
- 10) +VCC

### TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE	CHARACTERISTICS	MIN	TYP	MAX	UNIT
Alimentazione	Power supply	2.5	3	3.6	Vdc
Corrente assorbita (Power down)	Supply Current (Power down)		0.1	1	µA
Corrente assorbita (RX mode)	Supply Current (RX mode)		9	10	mA
Corrente assorbita TX ASK <sup>(1)</sup>	Supply Current TX ASK <sup>(1)</sup>		12		mA
Corrente assorbita TX FSK	Supply Current TX FSK		18	20	mA
Centro frequenza	Center frequency		433.92		MHz
Deviazione di frequenza in FSK	Frequency deviation in FSK		25		KHz
Sensibilità in ricezione ASK	ASK receiver sensitivity		-113		dBm
Sensibilità in ricezione FSK (ΔF±12.5 KHz)	FSK receiver sensitivity (ΔF±12.5 KHz)		-103	-105	dBm
Data rate codifica Manchester	Data rate Manchester code			3	Kbps
Potenza RF di uscita	RF output power	6	8	10	dBm
Emissioni spurie fino a 4 GHz	Spurious emission up to 4 GHz	-44		-60	dBm
Temperatura di lavoro	Operating temperature range	-40		+85	°C

[1] Consumption measured with square wave data-IN

