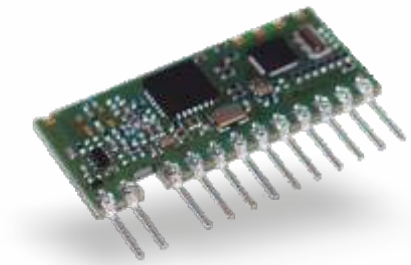
LoRa™ transceiver

LOW POWER

XTR-8LR10

P.N. 650201415G



DESCRIZIONE

Ricetrasmettitore half-duplex per comunicazioni a lunga distanza con tecnica di modulazione **LoRa™**, in grado di garantire caratteristiche di elevata immunità alle interferenze e ridotti consumi energetici.

Operante nella banda europea 869.4 ÷ 869.65 MHz e 868.0 ÷ 868.6 MHz, assicura Link- budget > 150 dB.

XTR-8LR10 è un radio-modem con interfaccia utente UART, con implementata una tecnica di indirizzamento dei pacchetti che permette comunicazioni punto multi-punto e pay-load max. di 248 byte.

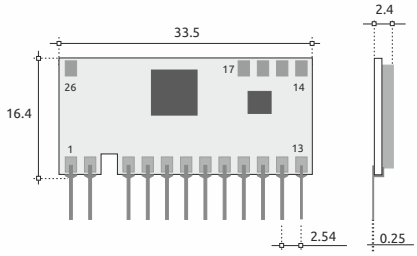
DESCRIPTION

Half-Duplex transceiver for long distance communication with **LoRa™** modulation, able to ensure high immunity level against the interferences and a reduced energy consumption.

Working into European bandwidth 869.4 ÷ 869.65 MHz and 868.0 ÷ 868.6 MHz with a link budget > 150 dBm.

XTR-8LR10 is a radio modem with UART interface with an implemented data packet addressing technique that allows a point-multipoint communication and 248 byte of max. payload.

DIMENSIONS



PIN-OUT

1) ANTENNA
2) GND
4) GND
5) +VDD
6) OUT1
7) OUT2
8) SET A
9) SET B
10) RTS
11) CTS
12) RX UART
13) TX UART
14) GND
15) RESET
16) RESERVED
17) VDD
26) GND

TECHNICAL SPECIFICATION

Ta = 25 °C

CARATTERISTICHE	CHARACTERISTICS	MIN	TYP	MAX	UNIT
Tensione di alimentazione	Power supply	2.1	3	3.6	Vdc
Corrente assorbita (Stand-by)	Supply Current (Stand-by)			1	µA
Corrente assorbita (RX mode)	Supply Current (RX mode)		17		mA
Corrente assorbita (TX mode @ 14 dbm)	Supply Current (TX mode @ 14 dbm)		30	35	mA
Tipo di Modulazione	Modulation type		LoRa™		
Sensibilità RX (BW 125KHz-SF10-CCR 4/6)	RX sensitivity (BW 125KHz-SF10-CCR 4/6)		-132		dBm
Portata esterna	Outdoor range		8		Km
Banda di frequenza	Frequency band	868		870	MHz
Canalizzazione	Canalization	125		250	KHz
Temperatura di lavoro	Operating temperature range	-20		+70	°C

Information subject to change without notice

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