



## General:TRX-I2-3211

### General

<b>Sizes (mm)</b>	25,25 x 21,6
<b>Transmission</b>	Halbduplex
<b>Frequency</b>	868MHz-870MHz
<b>Other frequency on request</b>	Yes
<b>Frequency stability</b>	+/- 2ppm
<b>Channel spacing</b>	12,5 kHz or 25kHz default: 12,5 kHz
<b>Data rate</b>	max. 9600 Baud
<b>Digital data output</b>	Yes
<b>NF-output</b>	No
<b>Power supply</b>	3V-3.6V
<b>Current consumption</b>	TX:45mA; RX:30mA
<b>TX-RX switching time</b>	4ms
<b>Start time</b>	50ms
<b>Operating temperatur</b>	-20° bis +70°
<b>Microprocessor</b>	ATTiny 1634
<b>According to</b>	EN 300-220
<b>Flexible Interface</b>	Yes
<b>Synthesizer PLL</b>	Yes
<b>Modul series</b>	I2
<b>SMD placement</b>	Yes

## Receiver TRX-I2-3211

<b><u>Empfänger</u></b>	Superheterodyne
-------------------------	-----------------

Receiver TRX-I2-3211	
<b>Sensitivity</b>	-119 dBm 1% BER
<b>Radiated Emission</b>	max. -57 dBm (below 1000 MHz), max. -47dBm (above 1000 MHz)
<b>Blocking</b>	+/- 1MHz: at least 65dB +/- 2MHz: at least 65dB +/-10MHz: at least 65dB
<b>Intermodulation rejection</b>	at least 50dB (+/- 50kHz ; +/- 100kHz)
<b>Image rejection</b>	1. ZF: 60dB
<b>Adjacent channel selectivity</b>	at least 50dB (-57dBm)
<b>Spurious responses suppression</b>	at least 50dB (-57dBm)
<b>Digital Output</b>	max. 9600 Baud
<b>NF Output</b>	No
<b>RSSI</b>	No
<b>Mute</b>	No

Transmitter: TRX-I2-3211	
<b>Transmitter</b>	
<b>Output power</b>	10mW +/- 1dB at 50 Ohm
<b>Frequency deviation</b>	2,4 kHz
<b>Modulation</b>	FSK max. 9600 Baud
<b>Adjacent channel power</b>	-63 dBc (-53dBm)
<b>Radiated emissions</b>	max. -57dBm (below 866 MHz), max. -47dBm (above 1000MHz)

