



### General:TRX-M2-3211

#### General

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

### Receiver TRX-M2-3211

<u>Empfänger</u>	Superheterodyne
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Receiver TRX-M2-3211	
<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-M2-3211	
<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)

