



General:TRX-M1-3111

General	
Dimension	Casing:50,5x31x9mm PCB: 47x27mm
Principle	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	Yes
Power supply	3V-6V
Current	TX:45mA; RX:75mA
TX-RX Switching Time	4ms
Start time	50ms
Operating Temperatur	-20 bis +70
Microprozessor	ATTiny 1634
According to	EN 300-113
Flexible Interface	Yes
Synthesizer PLL	Yes
Modul Series	I1

Receiver: TRX-M1-3111	
Receiver	Double Superheterodyne 1.ZF: 45MHz 2.ZF: 450kHz
Sensitivity	-116 dBm 1% BER
Radiated emissions	max. -57 dBm (below 1000 MHz), max. -47dBm (above 1000 MHz)
Blocking	+/- 1MHz: at least 80dB +/- 2MHz: at least 85dB +/-10MHz: at least 90dB
Intermodulation rejection	At least 65dB (+/- 50kHz ; +/- 100kHz)
Image rejection	1. ZF: 70dB 2. ZF: 80dB
Adjacent Channel selectivity	At least 70dB (-37dBm)
Spurious responses suppression	At least 70dB (-37dBm)
Digital Output	max. 9600 Baud
NF Output	200 mVpp, other voltage on request
RSSI	Yes
Mute	Yes

Transmitter:TRX-M1-3111	
Transmitter	
Output Power	10mW +/- 1dB at 50 Ohm
Frequency deviation	2,4 kHz
Modulation	FSK max. 9600 Baud
Adjacent Channel Power	-63 dBc (-53dBm)
Radiated Emissions	max. -57dBm (below 866 MHz), max. -47dBm (above 866MHz)

Dimension in mm

