



**General:TRX-M1-7111**

**General**

<b>Dimension</b>	Casing:50,5x31x9mm PCB: 47x27mm
<b>Principle</b>	Halbduplex
<b>Frequency</b>	433.0625MHz - 434.7875MHz
<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>	Yes
<b>Power supply</b>	3V-6V
<b>Current</b>	TX:45mA; RX:75mA
<b>TX-RX Switching Time</b>	4ms
<b>Start time</b>	50ms
<b>Operating Temperatur</b>	-20 bis +70
<b>Microprozessor</b>	ATTiny 1634
<b>According to</b>	EN 300-113
<b>Flexible Interface</b>	Yes
<b>Synthesizer PLL</b>	Yes
<b>Modul Series</b>	I1

**Receiver: TRX-M1-7111**

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

**Transmitter:TRX-M1-7111**

<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 866MHz)

Dimension in mm

