



**ZRX170**  
**ZRX170 High Dynamic Receiver**  
Part-No.: 3622.0737.02

**Product Description**

**Key Features:**

- Full Band WR6.5 (110-170 GHz)
- High Dynamic Range: typ. 130 dB
- Fixed attenuators
- Passive Cooling
- Convenient handling
- Multi position housing for on-wafer and waveguide measurements



**Accessories/Options:**

- Antennas
- Test port adapters
- Mechanical tunable attenuators (0-40dB)

**Technical Specifications**

RF Frequency [GHz]	110 - 170
Receiver Response <sup>1</sup> [dB (typ.)]	+5
System NF [dB (typ.)]	15
Dynamic <sup>2</sup> [dB (typ.)]	130
Input Signal 1 dB Compression Point [dBm]	-5
RF Input Port	WR6.5 (UG387/UM) <sup>3</sup>
LO Multipl. Factor	12
LO VSWR	
IF VSWR	1.5:1
LO Input power [dBm]	+7
LO Frequency Range [GHz]	6.875 - 10.625
IF Frequency Range [MHz]	1 – 2500
LO Damage Level [dBm]	
IF Damage Level [dBm]	

<sup>1</sup> Receiver response with IF amplification

<sup>2</sup> Resolution Bandwidth 10 Hz, measured with RPG TX-110

<sup>3</sup> compatible to IEEE Flange



**Typical Performance**

