

92-96GHz Receiver, High Gain, NF=4dB

Product Overview

AT-WRX-9296SIF is high gain W-Band receiver. The receiver is integrated with High Performance GaAs MMIC chips, with Gain=23dB, NF=4dB. RF frequency range is 92-96GHz, LO range is 11.25-12.5GHz with x8 time inside. IF is single end output with frequency from DC-12GHz. IF with IQ is available according to request.

The receiver is with compact size. LO/IF port is with SMA, and RF port is with standard WR-10. More information, please visit www.atmicrowave.com

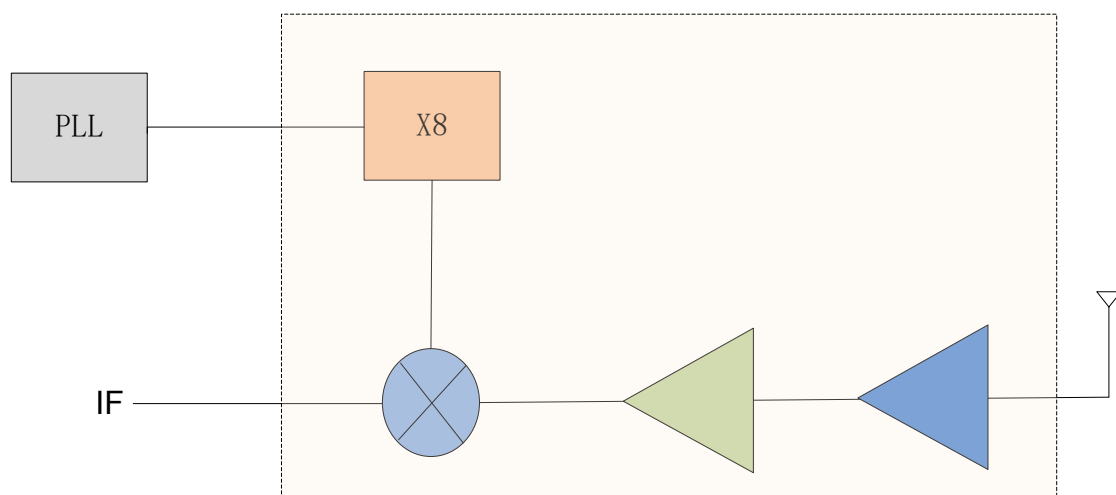
Feature

- ✓ Frequency: 92-96GHz
- ✓ Gain: +23dB typical
- ✓ IF Range: DC-12GHz
- ✓ Single Power Supply

Application

- ✓ W band Imaging
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Diagram Block





AT-WRX-9296SIF

Compact W Band Receiver, 92-96GHz, Gain 23dB

Key Features

Parameter	Min	Typical	Max
RF Frequency		92-96GHz	
LO Frequency	11.25GHz		12.5GHz
LO Multiplier Factor		X8	
LO Power	0	+5dBm	+8dBm
Input Power		-60 dBm	-15
IF Frequency		DC-12GHz	
RF to IF Gain	20	23 dB	
Drain Power Supply		+5/300mA	+6V

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	-5 dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

