AT-WRX-92100IQD

Differential IQ Receiver, 92-100GHz, Gain 20dB

92-100GHz Differential IQ Receiver, High Gain, NF=4dB

Product Overview

AT-WRX-92100IQD is high gain W-Band Differential IQ receiver. The receiver is integrated with High Performance GaAs MMIC chips, with Gain=20dB, NF=4dB. RF frequency range is 92-100GHz, LO range is 10.75-13.25GHz with x8 time inside. IF frequency range is DC-10GHz.

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

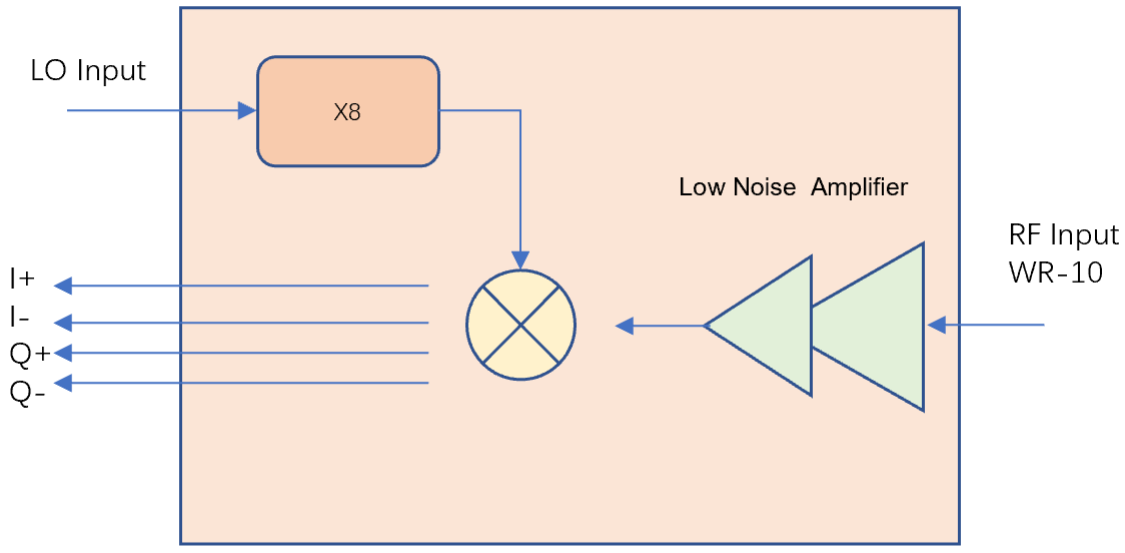
Feature

- ✓ Frequency: 92-100GHz
- ✓ Gain: +20dB typical
- ✓ IF Range: DC-10GHz
- ✓ High gain: 20dB
- ✓ Single Power Supply

Application

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

Diagram Block



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Key Features

Parameter	Min	Typical	Max
RF Frequency		92-100GHz	
Input Power		-40 dBm	-10dBm
LO Frequency	10.75GHz		13.25GHz
LO Multiplier Factor		X8	
LO Power	0	+3dBm	+5dBm
IF Frequency		DC-10GHz	
RF to IF Gain		20 dB	
NF		4 dB	6
Drain Power Supply		+5	+8V
Current		300mA	
Spec Temp		+25C	

Mechanical Information

Item	Description
RF Port	WR-10
IF Port	SMA Female
LO Port	SMA Female
Finish	Gold Plated
Weight	225g
Size:	See outline

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Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+9V
RF Input Power	+10 dBm
LO Input Power	+15dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

Notes:

1. Datasheet may be changed according to update of MMIC, Raw materials , process, and so on.
2. This data is only for reference, not for guaranteed specifications.
3. Please contact AT Microwave team to make sure you have the most current data.

Dimension (TBD)