

195-230GHz LNA, 20dB Gain, NF=8dB 2021-5-22



Product Overview

AT-LNA-195230-2008T is a low noise amplifier operating in the 195-230 GHz frequency range. The LNA is packaged in a waveguide module using industry standard WR-04.

MMIC technology LNA Chip is used, which ensures reliable and repeatable unit-to-unit result. Higher gain amplifier can be achieved.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 195-230GHz
- ✓ High Gain: 20dB
- ✓ NF: 7dB
- ✓ Single Supply

Application

- ✓ G/J Band Communication
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		195-230GHz	
Gain	16	20dB	
Noise Figure		8dB	
Pin		-20dBm	-10dBm
Output P1dB		-3dBm	
Psat		+0dBm	
Drain Supply		+5V	+8V
Current		30mA	
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Spec Temp		25C	





AT-LNA-195230-2008T

195-230GHz Low Noise Amplifier

Mechanical Information

Item	Description
Input Port	WR-04
Output Port	WR-04
Case Material	Copper
Finish	Gold Plated
Weight (Without Heatsink)	209g
Size:	35x30x30mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+8V
RF Input Power	+8dBm
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: (mm)

