



AT-LNA-BT110170-3506T

110-170GHz Low Noise Amplifier

Full D Band LNA, 35dB Gain, NF=6Db Bench-top Test Equipment

2021-5-22



Product Overview

AT-BTLNA-110170-3506T is a low noise amplifier operating in the 110-170 GHz frequency range. The LNA is packaged in a waveguide module using industry standard WR-06.

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: 110-170GHz
- ✓ High Gain: 35dB
- ✓ NF: 6dB
- ✓ Single Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		110-170GHz	
Gain	14dB	35dB	
Noise Figure		6dB	8dB
Pin		-20dBm	-10dBm
Output P1dB		-3dBm	
Psat		+0dBm	
Drain Supply	90V	220V	240V
Power Consumption		10W	
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Spec Temp		25C	

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Mechanical Information

Item	Description
Input Port	WR-06
Output Port	WR-06
Case Material	Aluminum
Finish	Painting
Weight (Without Heatsink)	1.6KG
Size:	206.7x167x82.9mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
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.





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Dimension: (mm)

