



AT-BTLNA-75110-1805T

75-110GHz 18dB Gain, NF 4dB Low Noise Amplifier

W Band LNA, 18dB Gain, NF=5dB Bench-Top Test Equipment

2023-5-5



Product Overview

AT-BTLNA-75110-1805T is a low noise amplifier operating in the 75-110 GHz frequency range. The LNA is packaged in a waveguide module using industry standard WR10.

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: 75-110GHz
- ✓ High Gain: 18dB
- ✓ NF: 5dB
- ✓ Single Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		75-110GHz	
Gain	15	18	
Noise Figure		5dB	6dB
Output P1dB		+0dBm	
Psat		+2dBm	
Power Supply	90V	220V	240V
Power Consumption		10W	
Input Return Loss		-5dB	
Output Return Loss		-10dB	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	WR-10
Output Port	WR-10
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	SEE OUTLINE

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+5dBm
Operating Temperature	0 to +50C
Storage Temperature	-45 to +85C

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)

