



AT-BTLNA-6090-1805T

60-90GHz 18dB Gain Low Noise Amplifier

Full E Band Low Noise Amplifier Bench-top Test Equipment, WR-12



Product Overview

AT-BTLNA-6090-1805T is an full E Band low noise amplifier operating in the 60-90GHz frequency range with super low NF=5dB. The LNA is packaged in a waveguide module using industry standard WR-12.

GaAs pHEMT MMIC technology LNA Chip is used, which ensures reliable and repeatable unit-to-unit result.

More information, please visit www.atmicrowave.com.

Advantages

- ✓ Frequency: 60-90GHz
- ✓ Gain: 18dB
- ✓ NF: 5dB
- ✓ Single Power Supply

Application

- ✓ E band Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		60-90GHz	
Gain	16	18dB	
Noise Figure		5dB	7dB
P1dB		+8dBm	
Psat		+10dBm	
Input Return Loss	-5	-10dB	
Output Return Loss	-5	-10dB	
Power Supply	90V	+220V	+240V
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	WR-12
Output Port	WR-12
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	+10dBm
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)

