



AT-BTLNA-2244-4235P22

22-44GHz Low Noise Amplifier

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2021-5-30

Gain=42dB, NF=3.5dB, Pout=+22dBm, 2.4mm



Product Overview

AT-BTLNA-2244-4235P22 is high gain low noise amplifier with 42dB gain in the frequency of 22-44GHz. The module is with 2.4mm Female connector.

AT Microwave can provide all kinds of coaxial low noise amplifiers, with frequency from 0.01-67GHz, gain from 20 to 60dB, Pout from +5 to +27dBm, and connectors from SMA to 1.85mm. If you don't find what you need, just send us email sales@atmicrowave.com

Advantages

- ✓ Frequency: 22-44GHz
- ✓ Small signal gain: 42dB
- ✓ NF=3dB
- ✓ Pout=+22dBm

Application

- ✓ 5G Communication
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

Key Features

Parameter	Min	Typical	Max
Frequency		22-44GHz	
Gain	38	42 dB	
Gain Flatness		+/-2dB	+/-4dB
NF		3.5dB	4.5dB
P1Db		+20dBm	
Psat	+20dBm	+22dBm	
Drain Supply	90V	+220V	240V
Power Consumption		10W	
Input Return Loss	-5	-10dB	
Output Return Loss	-5	-10dB	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	2.4mm Female
Output Port	2.4mm Female
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+10 dBm
Operating Temperature(note)	0 to + 50C
Storage Temperature	-65 to +150C

Caution:

Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

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: (unit in mm)

