



AT-BTHPA-2430-3634N

24-30GHz High Power Amplifier

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2022-3-22

Gain=36dB, Pout=+34dBm, Bench-top Test Equipment



Product Overview

AT-BTHPA-2430-3634N is GaAs Based high gain power amplifier with +35dBm output power in the frequency of 24-30GHz. The module is with 2.92mm connector.

The power amplifier has high gain, high linearity, low input/output return loss and flat gain response.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 24-30GHz
- ✓ Psat:+34dBm
- ✓ Small signal gain: 36dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		24-30GHz	
Gain	33dB	36dB	
P1dB		+32dBm	
Psat	+32dBm	+34dBm	
Input Return Loss		-12dB	
Output Return Loss		-8dB	
Power Supply	+90V	+220V	+240V
Power Consumption		50W	
Spec Temp		24C	





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Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	2.92mm 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	-20 to +70C
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: (unit in mm)

