

50-75GHz Broadband Amplifier, +18dBm

2021-10-20

Bench-top Test Equipment, WR-15 Waveguide



Product Overview

AT-BTPA-5075-1818T is high gain power amplifier with +18dBm output power in the frequency of 50-75GHz. The DC power requirement is +220V. The module is with WR-15 waveguide.

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: 50-75GHz
- ✓ Pout:+18dBm
- ✓ Small signal gain: 18dB
- ✓ Bench-top Test

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		50-70GHz	
Gain	15dB	18dB	
P1dB		+16dBm	
Psat	+16dBm	+18dBm	
Drain Supply	90V	220V	240V
Power Consumption		10W	
Input Return Loss		-10dB	
Output Return Loss		-7dB	
Spec Temp		25C	





AT-BTPA-5075-1818T

50-75GHz Power Amplifier

Mechanical Information

Item	Description
Input Port	WR-15
Output Port	WR-15
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See Outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
Operating Temperature	0 to +50C
Storage Temperature	-50 to +125C

Caution:

Please pay attention to the case temperature. If case temperature exceeds 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.



Dimension: (mm)

