

10MHz-43GHz Bench-Top Broadband Amplifier

2021-5-30



Product Overview

AT-BTBB-0043-4020C is bench-top broadband amplifier from 10MHz-43GHz, with $P_{out}=+20dBm$, $NF=6dB$.

It can be used both as Power amplifier or low noise amplifier. The bench-top amplifier is with 220V power supply for easy using.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 10MHz-43GHz
- ✓ P_{sat} : +22dBm
- ✓ Small signal gain: 40dB
- ✓ Bench-Top Test

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-43GHz	
Gain	35dB	40dB	
P1dB	+18dBm +16dBm	10MHz-33GHz: +20dBm 33-43GHz: +18dBm	
Psat	+20dBm +17dBm	10MHz-33GHz: +22dBm 33-43GHz: +20dBm	
Drain Supply	+90V	+220V	+240V
Power Consumption		40W	
NF(1-40GHz)		6dB	
Input Return Loss	-5	-10 dB	
Output Return Loss	-5	-10 dB	
Spec Temp		25C	





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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

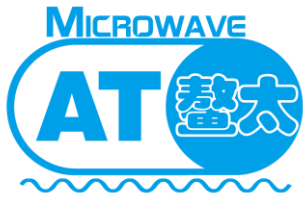
Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 dBm
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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Bench-Top Dimension (unit in mm)

