

0.3-20GHz Broadband Amplifier

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Product Overview



AT-BTBB-0020-4228HX is broadband amplifier from 300MHz-20GHz, with $P_{out}=+29dBm$, $NF=2.5dB$. It can be used both as Power amplifier and low noise amplifier. The module is with SMA Female

The broadband amplifier has high gain, high linearity, low input/output return loss and flat gain response. Bench-top test equipment type with 110-240V power supply is available according to request.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 300MHz-20GHz
- ✓ $P_{sat}:+28dBm$
- ✓ Small signal gain: 42dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		300MHz-20GHz	
Gain	40dB	42dB	
P1dB		+27dBm	
Psat		+28dBm	
NF		3.5dB	5dB
Input Return Loss		-10dB	
Output Return Loss		-10dB	
Power Supply	+90V	+220V	+260V
Spec Temp		25C	





AT-BTBB-0020-4228HX

300MHz-20GHz Broadband Amplifier

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA 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.



Dimension: (unit in mm)

