



AT-BTBB-0070-1715C

10MHz-70GHz Broadband Amplifier

10MHz-70GHz Compact Bench-Top Broadband Amplifier



Product Overview

AT-BTBB-0070-1715C is broadband amplifier from 10MHz-70GHz, with $P_{out}=+15\text{dBm}$, $NF=6\text{dB}$. It can be used both as Power amplifier or low noise amplifier. The AC power requirement is +90V to 240V. The module is with 1.85mm Female

The compact bench-top amplifier can be used in 5G Communication, ROF, Optical Communication or General Labs Test.

More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 10MHz-70GHz
- ✓ $P_{sat}=+15\text{dBm}$
- ✓ Small signal gain: 17dB
- ✓ Bench-Top Labs Test

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-70GHz	
Gain	15dB	17dB	
$P_{1\text{dB}}$	+12 +8	10MHz-50GHz: +14dBm 50GHz-70GHz: +10dBm	
P_{sat}	+13 +9	10MHz-50GHz: +15dBm 50GHz-70GHz: +12dBm	
Supply	+90V	+220V	+240V
Power Consumption		20W	
$NF(1-50\text{GHz})$		6dB	8dB
Input Return Loss		-5dB	
Output Return Loss		-5dB	
Spec Temp		25C	





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Mechanical Information

Item	Description
Input Port	1.85mm Female
Output Port	1.85mm Female
Case Material	Aluminum
Finish	Painting
Weight	1.6KG
Size:	See Outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	0 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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Dimension: (unit in mm)

