10MHz-67GHz Broadband Amplifier

Product Overview

AT-PA-0067-1815 is broadband amplifier from 10MHz-67GHz, with Pout=+15dBm, NF=6dB. It can be used both as Power amplifier or low noise amplifier. The DC power requirement is +8V/400mA. The module is with 1.85mm Female

The broadband amplifier has high gain, high linearity, low input/output return loss and flat gain response.
More information, please visit www.atmicrowave.com

Advantages

- ✓ Frequency: 10MHz-67GHz
- ✓ Psat:+15dBm
- ✓ Small signal gain: 18dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		10MHz-67GHz	
Gain		18dB	
P1dB		10MHz-50GHz: +14dBm 50GHz-67GHz: +12dBm	
Psat		10MHz-50GHz: +15dBm 50GHz-67GHz: +13dBm	
Drain Supply	+5.5V	+8V	+10V
Current		400 mA	
NF		6dB	
Input VSWR		1.5	2.2
Output VSWR		2.0	2.8
Dimension		45x34x8.5 mm	
Connector		1.85 mm Female	

AT-BB-0067-1815

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Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	0 dBm
Operating Temperature	0 to +50C
Storage Temperature	-65 to +150C

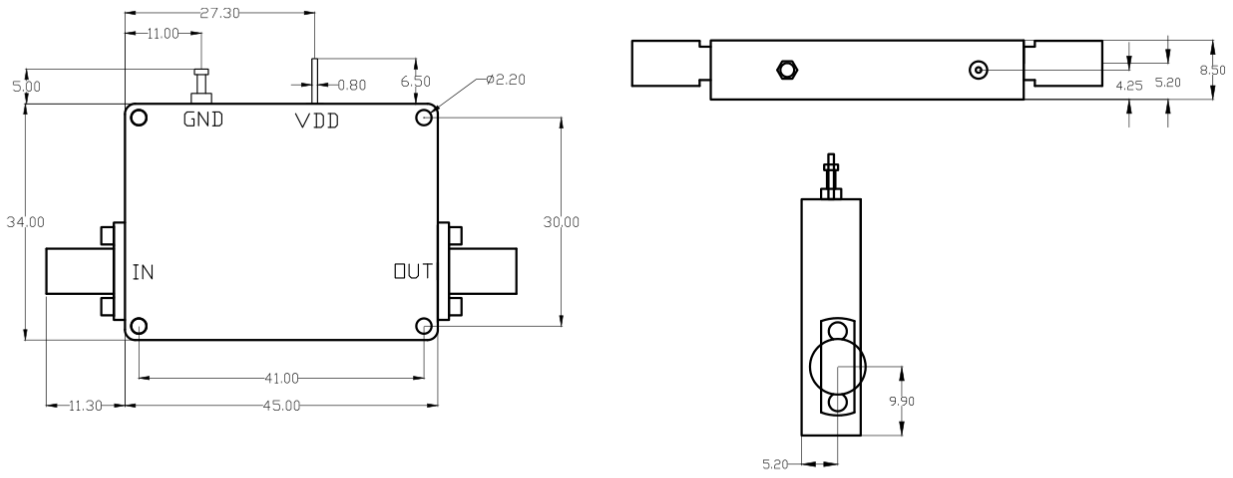
Caution:

Please pay attention to the case temperature. If case temperature exceed 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: (unit in mm)



In millimetres
The 11.30 size marked is 1.85mm female connector
if use SMA female the size is 9.4 and 2.92mm female is 9.5

Heat Sink Required If Case Temp Higher than 50C

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