

3GHz-67GHz Broadband Amplifier

2022-3-25

High Gain=40dB, Pout=+15dBm, 1.85mm



Product Overview

AT-BB-0367-4015C is broadband amplifier from 3GHz-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: 3GHz-67GHz
- ✓ Psat:+15dBm
- ✓ Small signal gain: 40dB
- ✓ Single Power Supply

Application

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

Key Features

| Parameter | Min | Typical | Max |
|--------------------|------|--|------|
| Frequency | | 3GHz-67GHz | |
| Gain | 35dB | 40dB | |
| P1dB | | 3-50GHz: +15dBm 50GHz-67GHz: +13dBm | |
| Psat | | 3-50GHz: +18dBm 50GHz-67GHz: +14dBm | |
| Drain Supply | | +8V | +12V |
| Current | | 350 mA | |
| NF(3-50GHz) | | 6dB | 8dB |
| Input Return Loss | | -8dB | |
| Output Return Loss | | -8dB | |
| Spec Temp | | 25C | |





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Mechanical Information

| Item | Description |
|-----------------|---------------|
| Input Port | 1.85mm Female |
| Output Port | 1.85mm Female |
| Case Material | Copper |
| Finish | Gold Plated |
| Package Sealing | Epoxy Sealed |
| Weight | 150g |
| Size: | See outline |

Absolute Maximum Ratings Table

| Parameter | Value |
|-----------------------|--------------|
| Drain Supply | +13V |
| RF Input Power | +5 dBm |
| Operating Temperature | -20 to +70C |
| 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.

Part Number Selection Guide

| Item | Description |
|-----------------|---|
| PN | Stand Module with DC Power Supply |
| PN- LCBT | L ow Cost, C ompact B ench- T op, +220V Supply with AC/DC Adapter |



