

## 32-52GHz Low Noise Amplifier



### Product Overview

AT-LNA-3252-3803T is high gain low noise amplifier with 40dB gain in the frequency of 32-52GHz. The DC power requirement is +220V. The module is with connector 2.4mm Female.

AT Microwave can provide all kinds of coaxial low noise amplifiers, with frequency from 0.01-67GHz, gain from 20 to 60dB, Pout from +5 to +40dBm, and connectors from SMA to 1.85mm. If you don't find what you need, just send us email [sales@atmicrowave.com](mailto:sales@atmicrowave.com)

### Advantages

- ✓ Frequency: 32-52GHz
- ✓ Small signal gain: 38dB
- ✓ NF=3dB
- ✓ Single Power Supply

### Application

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

### Key Features

| Parameter          | Min | Typical  | Max    |
|--------------------|-----|----------|--------|
| Frequency          |     | 32-52GHz |        |
| Gain               | 36  | 38 dB    |        |
| Input Power        |     | -32dBm   | -20dBm |
| NF                 |     | 2.5dB    | 2.9dB  |
| P1dB               |     | +10dBm   |        |
| Psat               |     | +13dBm   |        |
| Drain Supply       | 90V | +220V    | 240V   |
| Power Consumption  |     | 10W      |        |
| Input Return Loss  |     | -10dB    |        |
| Output Return Loss |     | -10dB    |        |
| Spec Temp          |     | 25C      |        |





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## Mechanical Information

| Item          | Description      |
|---------------|------------------|
| Input Port    | 2.4mm Female     |
| Output Port   | 2.4mm Female     |
| Case Material | Aluminum         |
| Finish        | Painting         |
| Weight        | 1.6kg            |
| Size:         | 211x206.5x82.9mm |

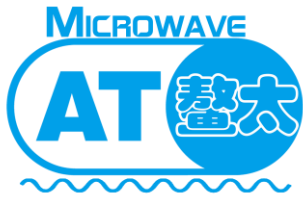
## Absolute Maximum Ratings Table

| Parameter                   | Value        |
|-----------------------------|--------------|
| Drain Supply                | +260V        |
| RF Input Power              | +15 dBm      |
| Operating Temperature(note) | 0 to +52C    |
| Storage Temperature         | -65 to +152C |

## 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)

