

# 18-40GHz Low Noise Amplifier



### Product Overview

AT-BTLNA-1840-3804X is high gain low noise amplifier with 38dB gain in the frequency of 18-40GHz. The DC power requirement is 220V. The module is with 2.92mm connector.

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 +27dBm, 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: 18-40GHz
- ✓ Small signal gain: 38dB
- ✓ NF=4dB
- ✓ Single Power Supply

### Application

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

### Key Features

Parameter	Min	Typical	Max
Frequency		18-40GHz	
Gain	35dB	38dB	
Gain Flatness		+/-2.0dB	+/-3dB
NF		3.5	5.5
P1dB		+18dBm	
Psat		+20dBm	
Drain Supply	90V	+220V	240V
Power Consumption		10W	
Input Return Loss		-10dB	
Output Return Loss		-8dB	
Spec Temp		25C	





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## Mechanical Information

Item	Description
Input Port	2.92mm Female
Output Port	2.92mm 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 +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)

