

1-18GHz Low Noise Amplifier



Product Overview

AT-BTLNA-0118-3803X is high gain low noise amplifier with 38dB gain in the frequency of 1-18GHz. The DC power requirement is +90 to 220V. The module is with SMA 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 +40dBm, and connectors from SMA to 1.85mm. If you don't find what you need, just send us email sales@atmicrowave.com

Advantages

- ✓ Frequency: 1-18GHz
- ✓ Small signal gain: 38dB
- ✓ NF=3dB
- ✓ Bench-top test

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency		1-18GHz	
Gain	36dB	38dB	
Gain Flatness		+/-1dB	+/-2dB
NF		2.5dB	3.5
P1dB		+13dBm	
Psat		+15dBm	
Power Supply	+90V	220V	+260V
Input Return Loss		-8dB	
Output Return Loss		-10dB	
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:	See outline

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+260V
RF Input Power	+15 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)

