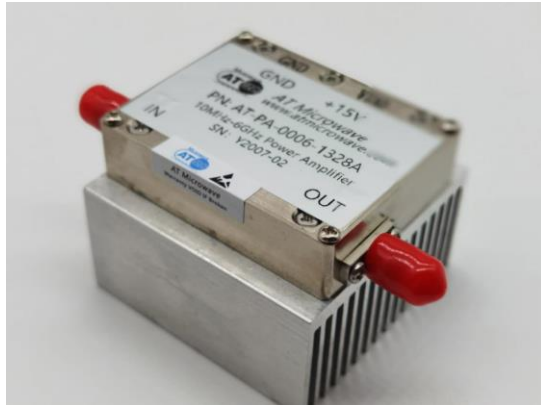


6-18GHz LNA, High Power



Product Overview

AT-LNA-0618-4302P27 is high gain low noise amplifier with 30dB gain in the frequency of 6-18GHz. The DC power requirement is +12V/550mA. 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 +27dBm, and connectors from SMA to 1.85mm. If you don't find what you need, just send us email sales@atmicrowave.com

Advantages

- ✓ Frequency: 6-18GHz
- ✓ Small signal gain: 43dB
- ✓ NF=2dB
- ✓ Single Power Supply

Application

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

Key Features

Parameter	Min	Typical	Max
Frequency	6GHz		18GHz
Gain		43 dB	
NF		2	
Input Power		-30dBm	-20dBm
P1dB		+26dBm	
Psat		+27dBm	
Drain Supply		+12V	+13V
Current		550 mA	
Input VSWR		1.5	2.5
Output VSWR		1.5	2.5
Spec Temp		25C	





AT-LNA-618-4302P27

6-18GHz High Gain Low Noise Amplifier

Mechanical Information

Item	Description
Input Port	SMA Female
Output Port	SMA Female
Case Material	Copper
Finish	Nickel Plated
Weight (Without Heatsink)	150g
Size:	50x40x12 mm

Absolute Maximum Ratings Table

Parameter	Value
Drain Supply	+13V
RF Input Power	+15 dBm
Operating Temperature	-20 to + 50C
Storage Temperature	-65 to +150C

Caution:

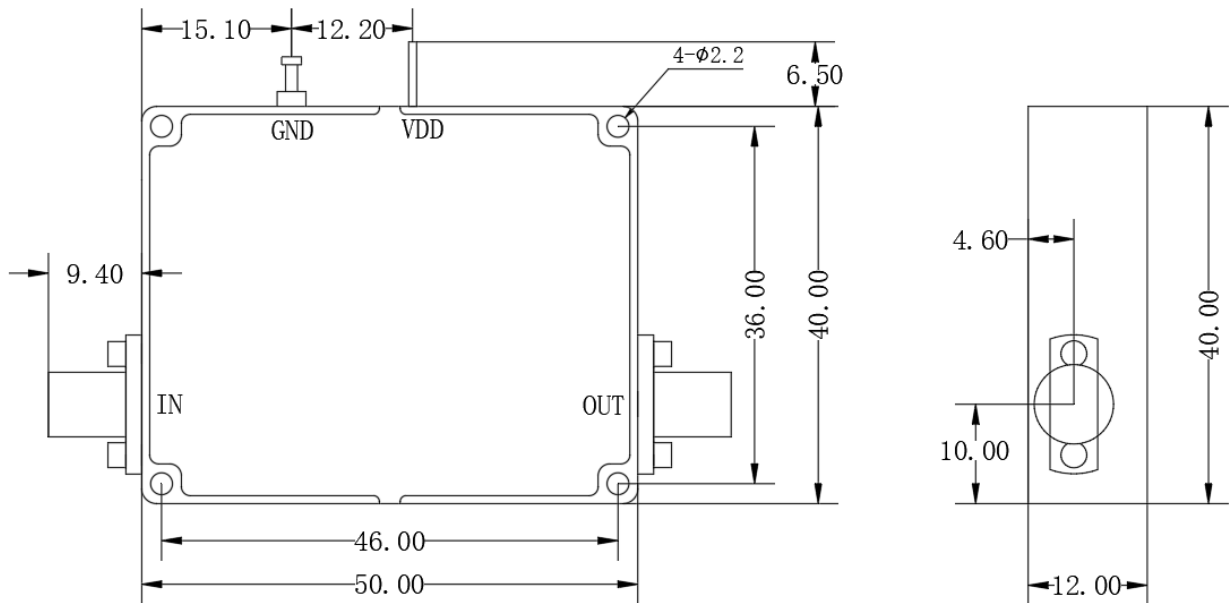
Please pay attention to the case temperature. If case temperature exceed higher than +50C, heat sink and fan are required, or the amplifier may be damaged.

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 9.4 size marked is used SMA female connector
if use 2.92mm female connector the size is 9.5

Heat Sink Required During Operation

