



Model Number:  
**A-LNAF4-363018**

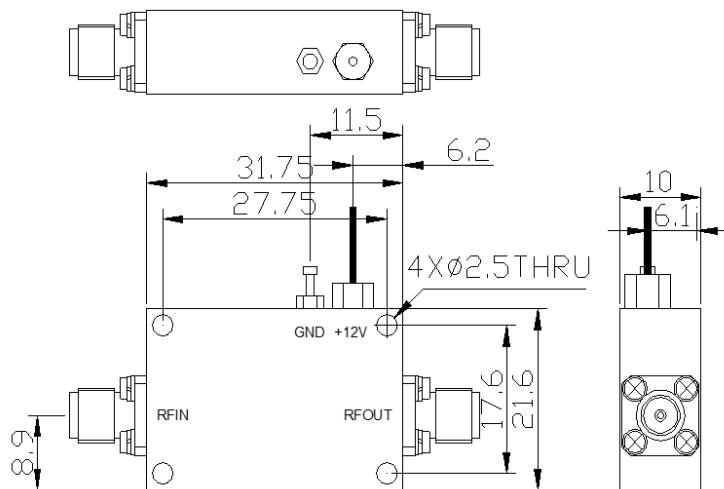
RF Components

# IF-Band Low Noise Amplifier

## 1 - 500 MHz

- 8 dB typical Small Signal Gain
  - 5 dB typ. Noise Figure
  - Requires 12 V external DC power
- Available with RF connector options:
- 50 Ω SMA

### Physical Dimensions (mm)



### Technical specifications and operating parameters

RF Parameters	
A-LNAF4-363018	S5S5
Frequency Range	1 - 500 MHz
RF Connectors	50Ω Female SMA
Small Signal Gain (dB)	Min. 7 Typ. 8 Max. 9
Gain Flatness ( $\pm$ dB)	Max. $\pm$ 0.5
Input VSWR	Typ. 1.5:1 Max. 1.7:1
Output VSWR	Typ. 1.5:1 Max. 1.7:1
Output P1dB GCP (dBm)	Min. 5 Typ. 10
Output 3rd Intercept Point (dBm)	Typ. 24
Noise Figure (dB)	Typ. 4.5 Max. 5.0

Environmental	
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C (maximum)
Location	Indoor use Only

Max Operating Parameters	
Voltage	Requires +18V DC power supply
Input Power	10dBm

! Operation beyond these limits may cause instantaneous and permanent damage.

### Broadcast



### Marine Oil & Gas



### SNG & VSAT



### Satellite Teleport

