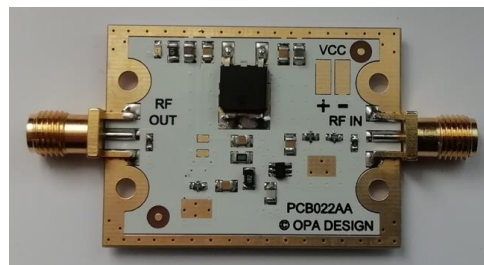


# 1MHz TO 30MHz LOW NOISE AMPLIFIER



## TECHNICAL DATA SHEET

OPA\_HFLNA

OPA\_HFLNA is designed to be used from 500 KHz to 30 MHz.

Low pass filter, placed at the Input, guaranties a good rejection of the unwanted signals and prevents the intermodulation issues.

This amplifier is designed to be used with the OPA\_UPCONVQO100 milled aluminum enclosure.

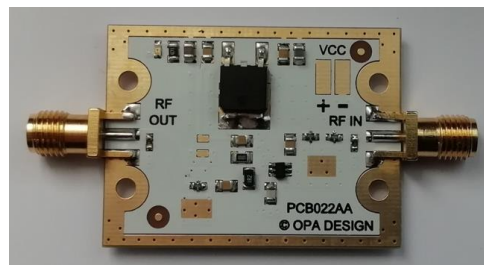
### Features:

- Frequency Range: 0.5 – 30 MHz
- High Rejection INPUT Low Pass Filter
- IN/OUT ESD protection
- Power Supply: 7 to 13V
- Power ON LED indicator

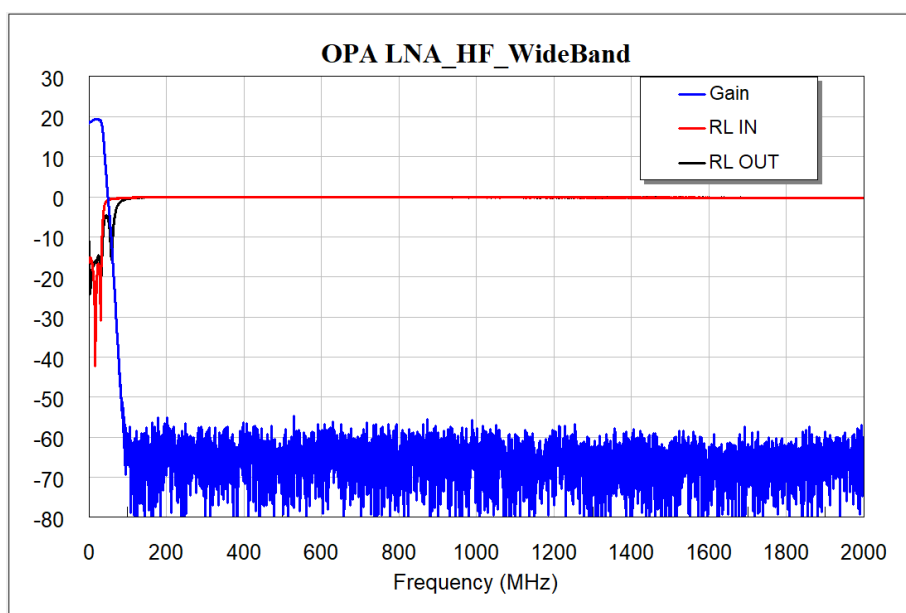
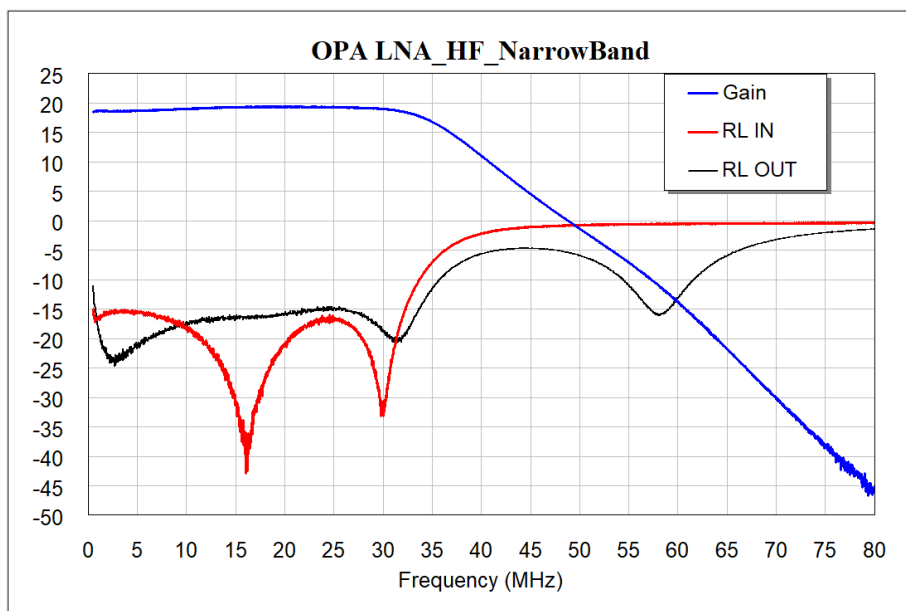
### Specifications @ +25 °C, ZS = ZL = 50

Parameter	Unit	Minimum	Typical	Maximum
Frequency	MHz	0.5		30
Gain @ 0.5MHz to 30MHz	dB		19	
Gain Flatness (0.5Mhz to 30MHz)	dB		1	
P1dBm Output @ 30MHz	dBm		9.2	
Noise Figure @ 15MHz	dB		3.4	
DC Power Supply	V	7		13
Supply current	mA		29	
Input/output impedance	Ohm		50	

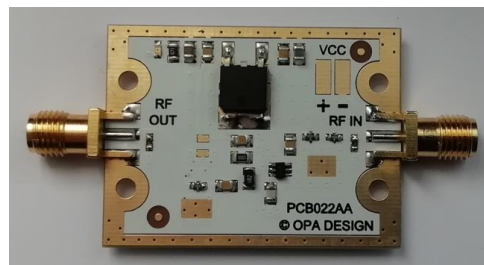
# 1MHz TO 30MHz LOW NOISE AMPLIFIER



Typical performance data:



# 1MHz TO 30MHz LOW NOISE AMPLIFIER



## TECHNICAL DATA SHEET

OPA\_HFLNA

### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+10dBm
DC Input Power	14V
Operating Temperature	-20°C to +65°C
Storage Temperature	-40°C to +85°C

### Outline

