

## LNA Series

## 10 – 1000MHz Low Noise Amplifier

### Features

- Frequency Range: 10-1000MHz
- Gain: 33dB
- P<sub>1dB</sub>: +11dBm
- IP3: +23dBm
- Noise Figure: 2.0dB
- DC Power: 12V
- SMA Connector

Performance measured @ 500MHz

### Description

LNA-1000 is a wideband Low Noise Amplifier operates with frequency range usable from 10 to 1000MHz.

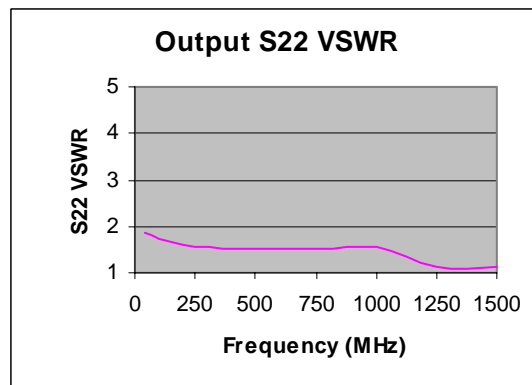
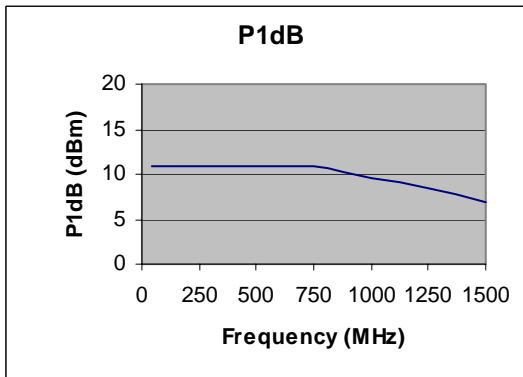
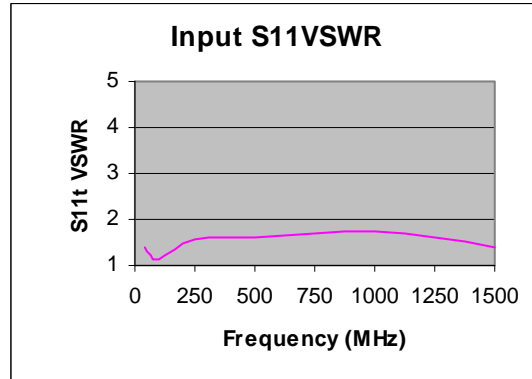
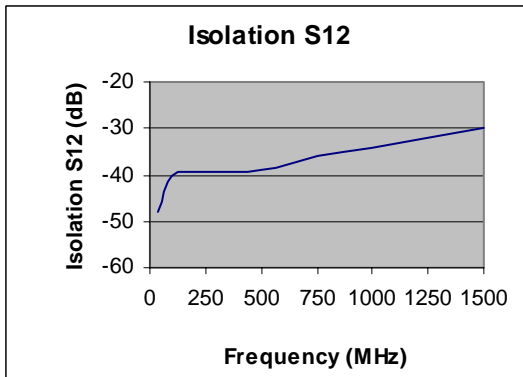
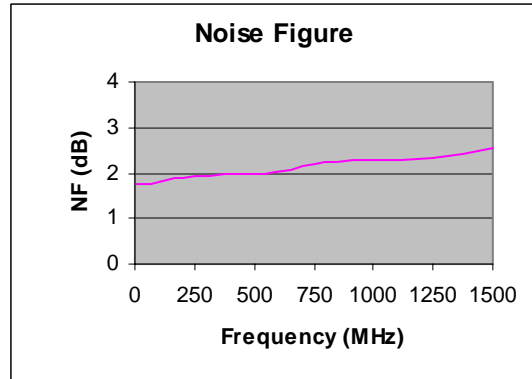
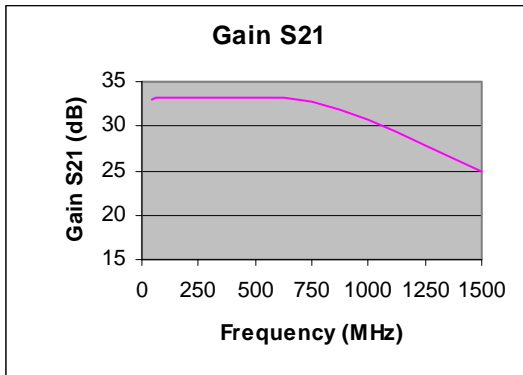
### Picture



### Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	10		1000
Gain	f = 40MHz		33	
	f = 500MHz		33	
	f = 1000MHz		30	
P <sub>1dB</sub>	f = 40MHz		+11	
	f = 500MHz		+11	
	f = 1000MHz		+9	
IP3	f= 500MHz		+23	
Noise Figure	f = 40MHz		1.8	
	f = 500MHz		2.0	
	f = 1000MHz		2.3	
VSWR	f = 500MHz			
	Input VSWR		1.5:1	
	Output VSWR		1.5:1	
DC Power Supply	V	9	12	15
Supply Current	mA		35	

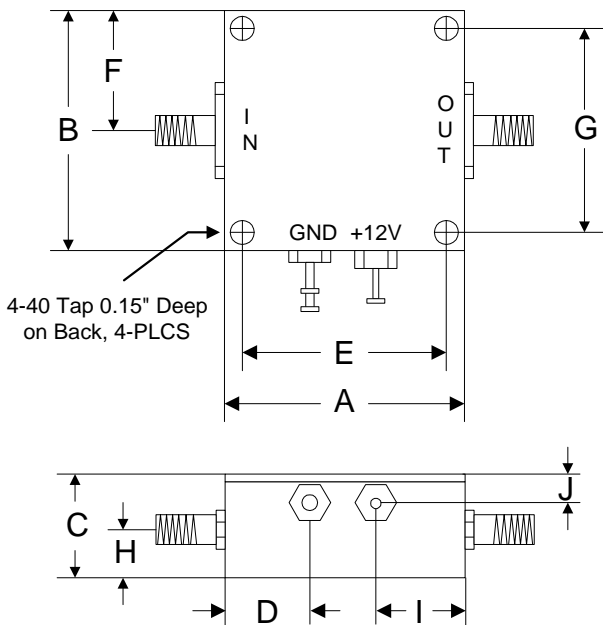
### Typical Performance @ +25 °C



### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+13dBm
Supply Voltage	+16V
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-55 °C to +125 °C

### Outline



	A	B	C	D	E	F	G	H	I	J
<b>Inch</b>	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
<b>mm</b>	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76