

## LNA Series

## 2500 – 2700MHz Low Noise Amplifier

### Features

- Frequency Range: 2.5-2.7GHz
- Gain: 23dB
- P<sub>1dB</sub>: +10dBm
- IP3: +20dBm
- Noise Figure: 1.8dB
- DC Power: 12V
- SMA Connector

### Picture



Performance measured @ 2.60GHz

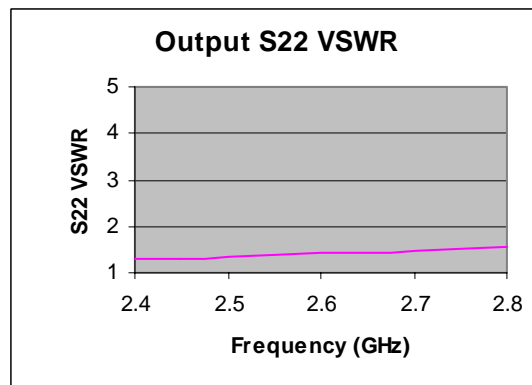
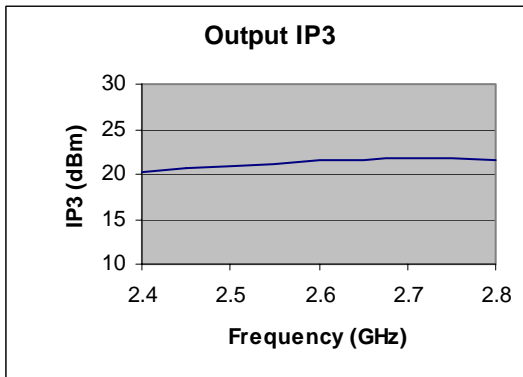
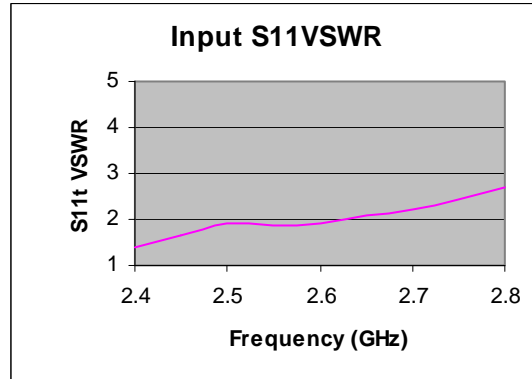
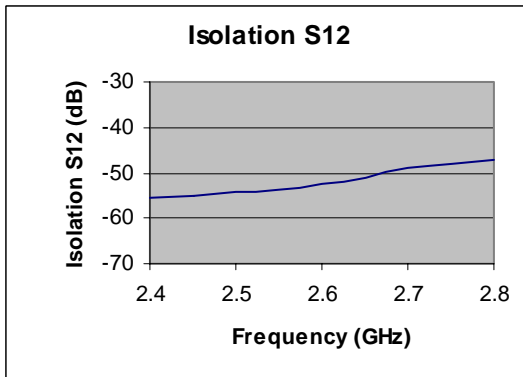
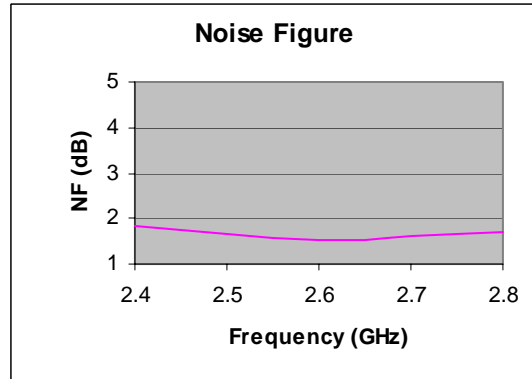
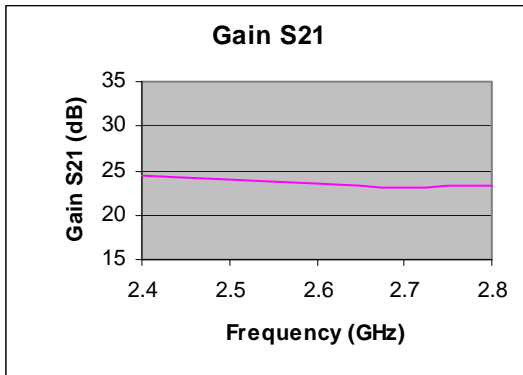
### Description

LNA-2600 is a Low Noise Amplifier operates with frequency range for 2.5-2.7GHz MMDS Band.

### Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	GHz	2.5		2.7
Gain f = 2.50GHz	dB		23	
f = 2.60GHz	dB		23	
f = 2.70GHz	dB		23	
P <sub>1dB</sub> f = 2.50GHz	dBm		+10	
f = 2.60GHz	dBm		+10	
f = 2.70GHz	dBm		+10	
IP3 f= 2.60GHz	dBm		+20	
Noise Figure f = 2.50GHz	dB		1.8	
f = 2.60GHz	dB		1.8	
f = 2.70GHz	dB		1.8	
VSWR f = 2.60GHz				
Input VSWR			2.3:1	
Output VSWR			1.5:1	
DC Power Supply	V	6	12	15
Supply Current	mA		45	

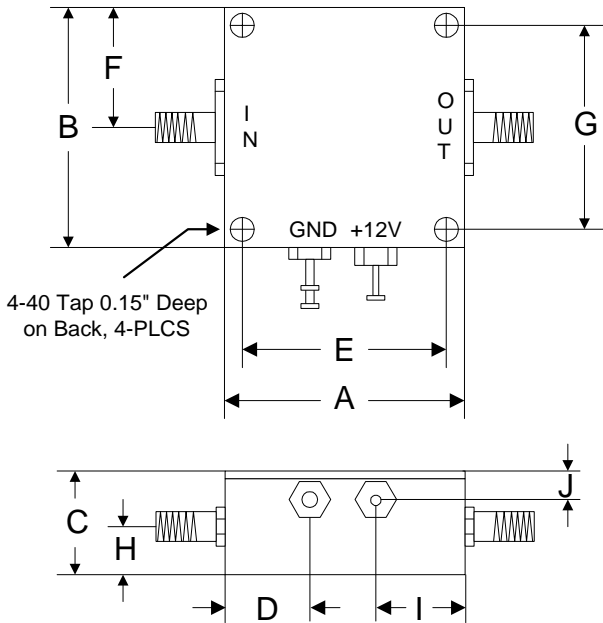
### Typical Performance @ +25 °C



### 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