

LNA Series

2500 – 2700MHz Low Noise Amplifier

Features

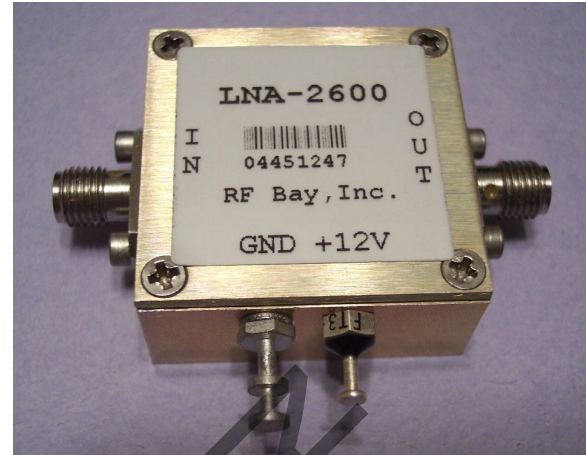
- Frequency Range: 2.5-2.7GHz
- Gain: 20dB
- P_{1dB}: +10dBm
- IP3: +20dBm
- Noise Figure: 1.8dB
- DC Power: 12V
- SMA Connector

Performance measured @ 2.60GHz

Description

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

Picture



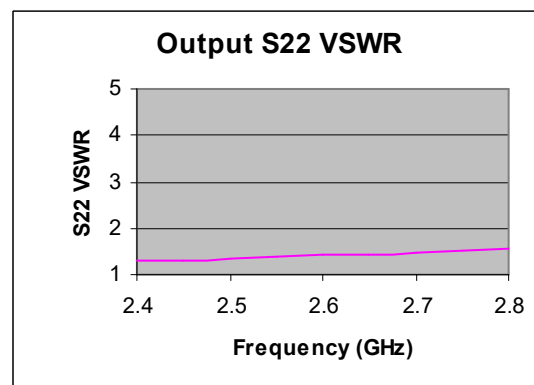
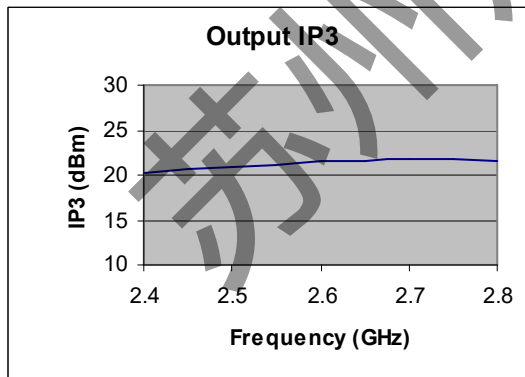
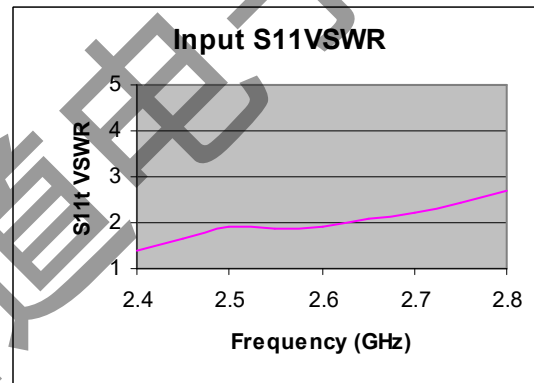
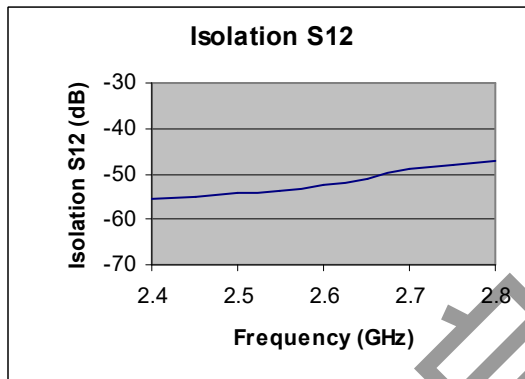
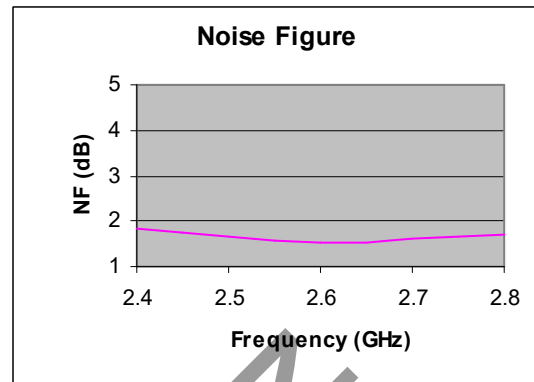
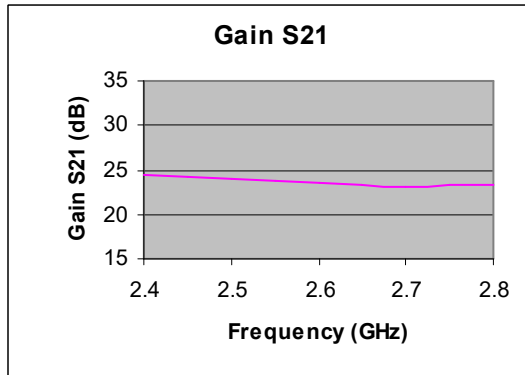
Electrical Specifications @ +25 °C

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	GHz	2.5		2.7
Gain	f = 2.50GHz	20	23	
	f = 2.60GHz	20	23	
	f = 2.70GHz	20	23	
P _{1dB}	f = 2.50GHz		+10	
	f = 2.60GHz		+10	
	f = 2.70GHz		+10	
IP3	f = 2.60GHz		+20	
Noise Figure	f = 2.50GHz		1.8	
	f = 2.60GHz		1.8	
	f = 2.70GHz		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	

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Typical Performance @ +25 °C



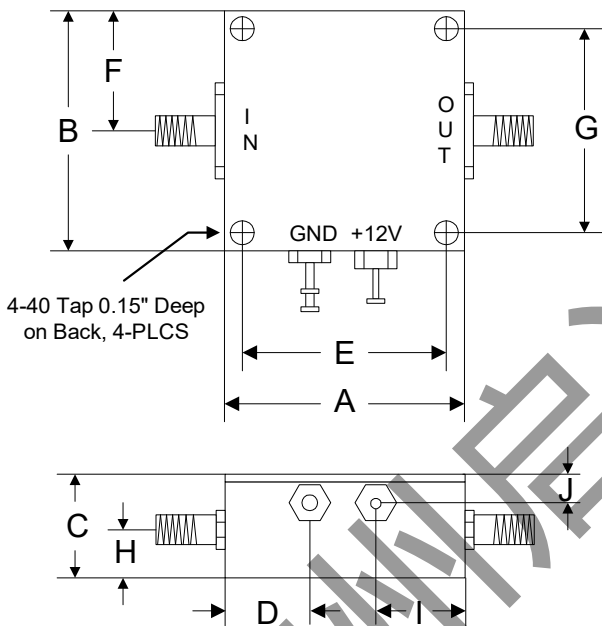
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Absolute Maximum Ratings

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
Inch	1.250	1.250	0.563	0.450	1.000	0.625	1.000	0.250	0.500	0.187
mm	31.75	31.75	14.29	11.43	25.40	15.88	25.40	6.35	12.70	4.76