

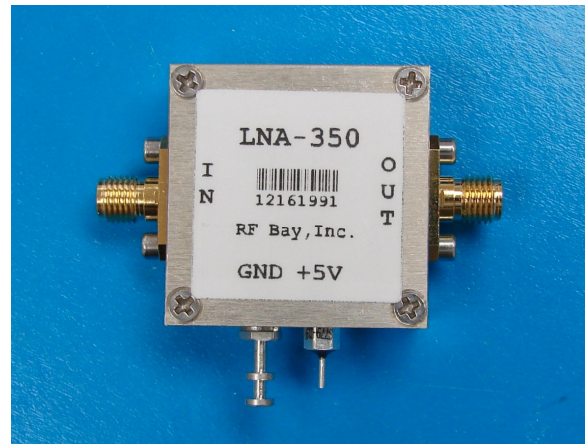
**LNA Series****200 – 500MHz Low Noise Amplifier****Features**

- Frequency Range: 200 - 500MHz
- Gain: 24dB
- P<sub>1dB</sub>: +21dBm
- IP3: +34dBm
- Noise Figure: 0.6dB
- DC Power: 5V/80mA
- SMA Connector

Performance measured @ 350MHz

**Description**

LNA-350 is a 0.6dB Noise Figure Low Noise Amplifier operates in frequency range from 200MHz to 500MHz.

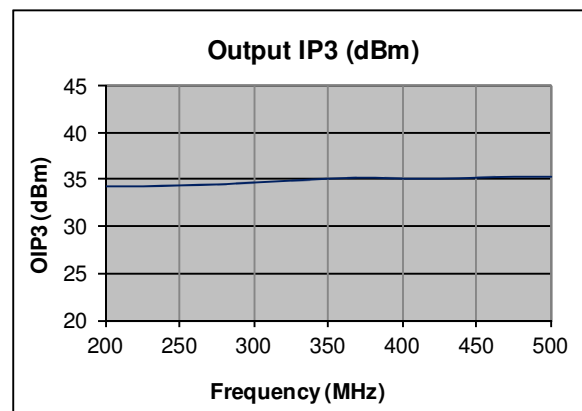
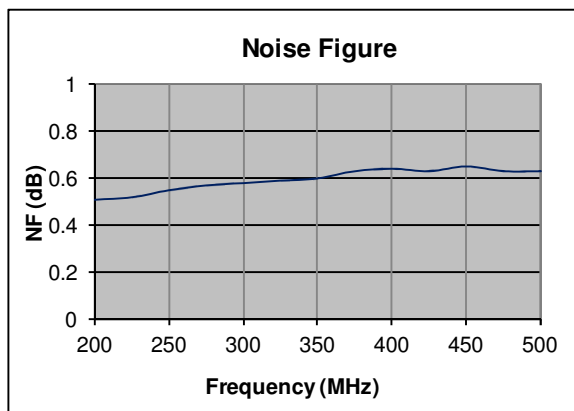
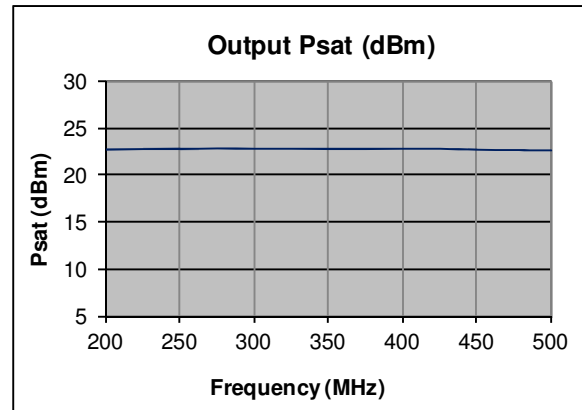
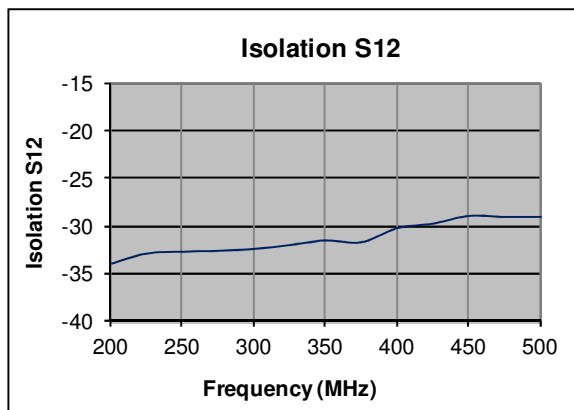
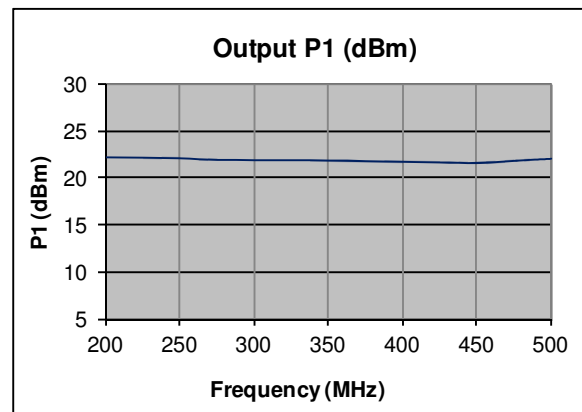
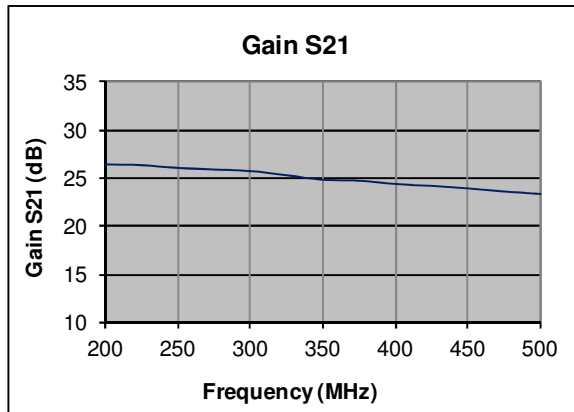
**Picture****Electrical Specifications @ +25 °C, Z<sub>in</sub> = Z<sub>out</sub> = 50 Ω, V<sub>cc</sub> = 5V**

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	200		500
Gain f = 200MHz	dB		26.0	
f = 350MHz	dB		24.0	
f = 500MHz	dB		23.0	
Gain Flatness	dB		±1.7	
P <sub>1dB</sub>	dBm		+21	
IP3	dBm		+34	
Noise Figure	dB		0.6	
Reverse Isolation	dB		-30	
VSWR Input VSWR			2.2:1	
Output VSWR			1.6:1	
DC Power Supply	V	3	5	5.5
Supply Current	mA		80	

**LNA Series**

**200 – 500MHz Low Noise Amplifier**

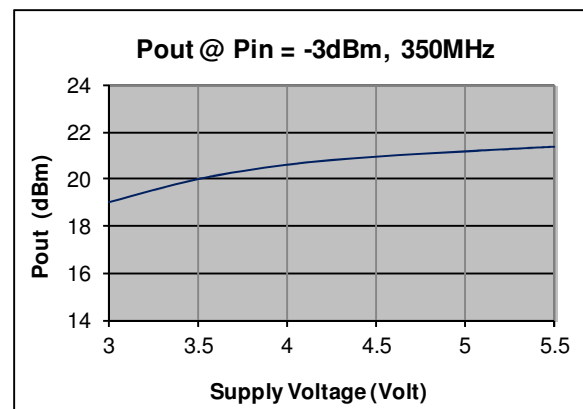
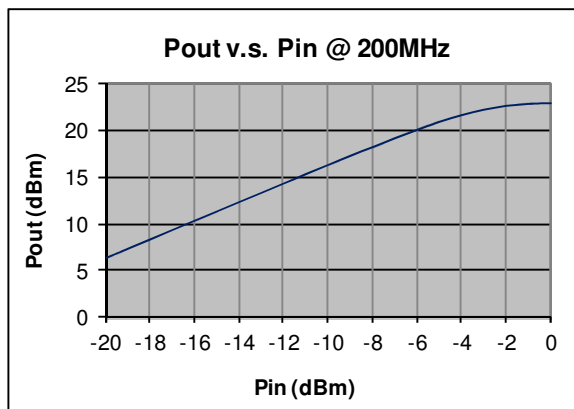
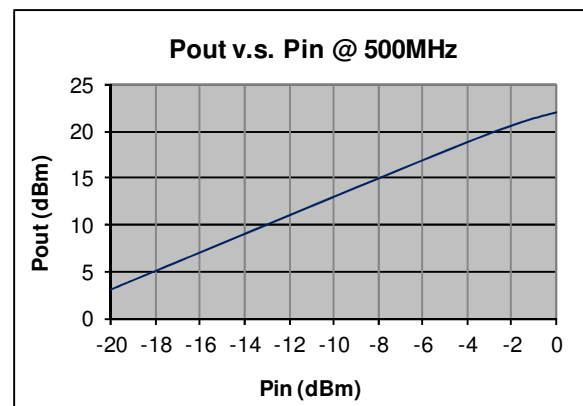
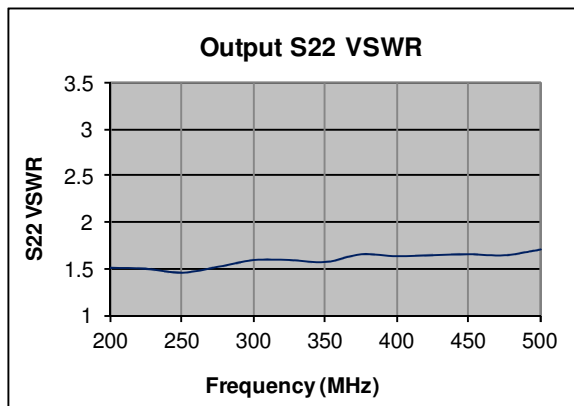
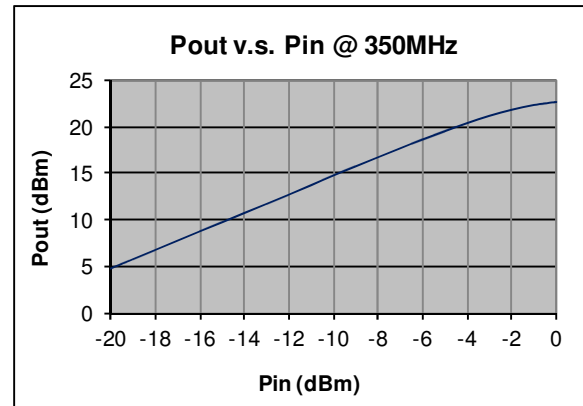
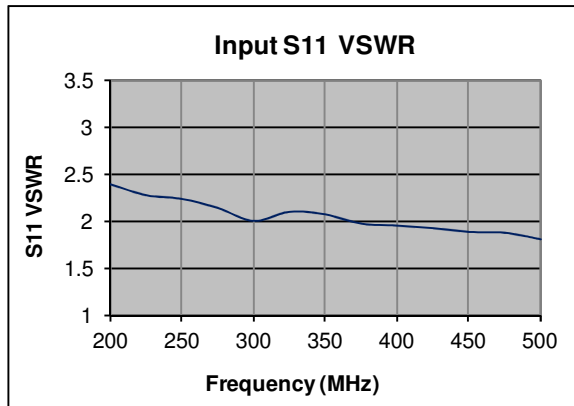
**Typical Performance @ +25 °C**



**LNA Series**

**200 – 500MHz Low Noise Amplifier**

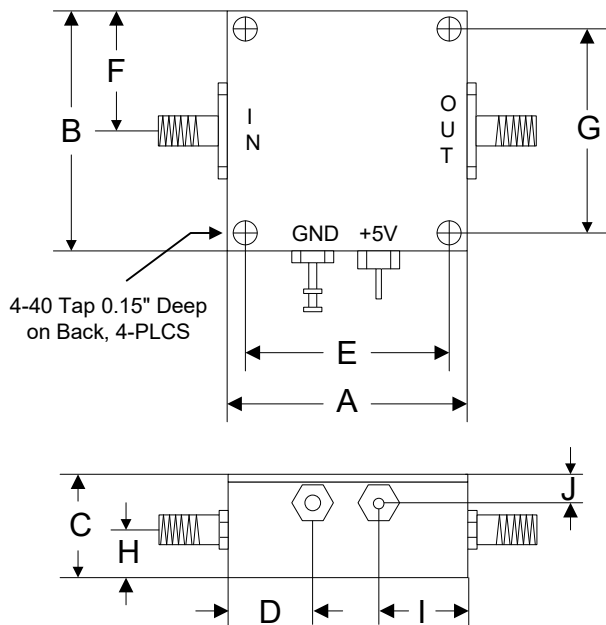
**Typical Performance @ +25 °C**



### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+20dBm
Supply Voltage	+6V
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