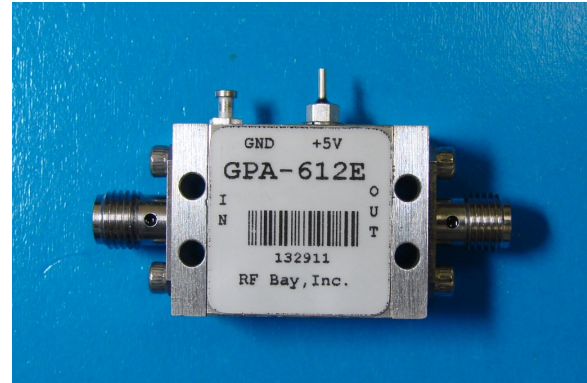


GPA Series**6 – 12GHz RF Amplifier****Features**

- Frequency Range: 6-12GHz
- Gain: 13dB
- P_{1dB}: +17dBm
- IP3: +25dBm
- Noise Figure: 4.8dB (typ.)
- DC Power: 5V @ 145mA
- SMA-female connectorized

Photo**Description**

GPA-612E is a high performance RF Microwave Driver Amplifier, with standard frequency range of 6GHz to 12GHz.

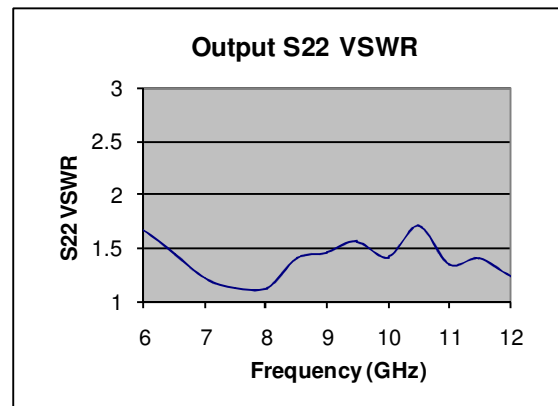
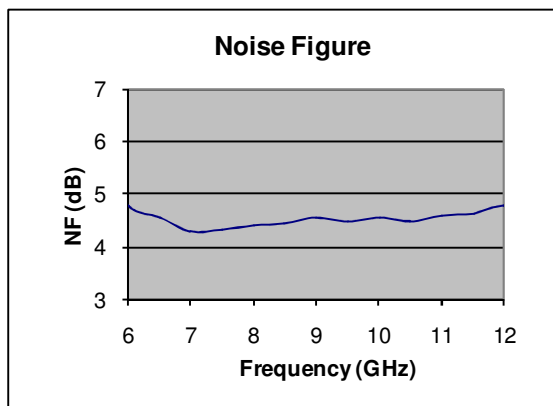
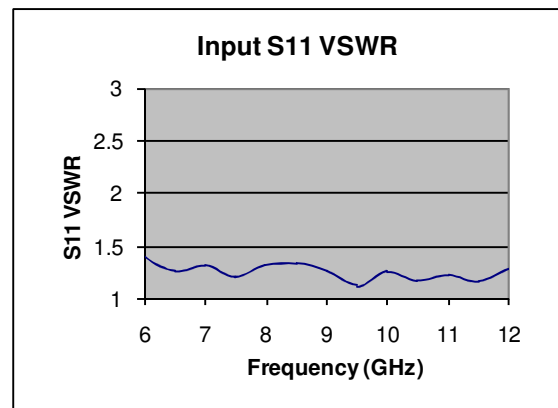
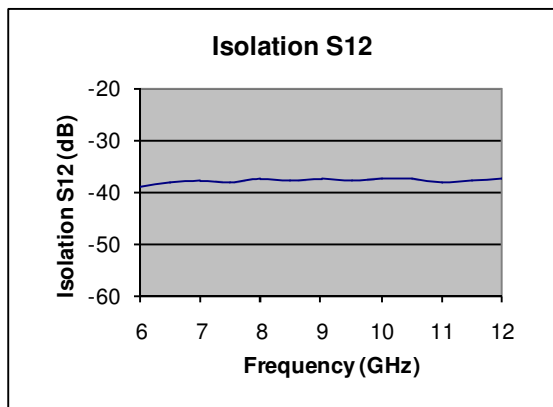
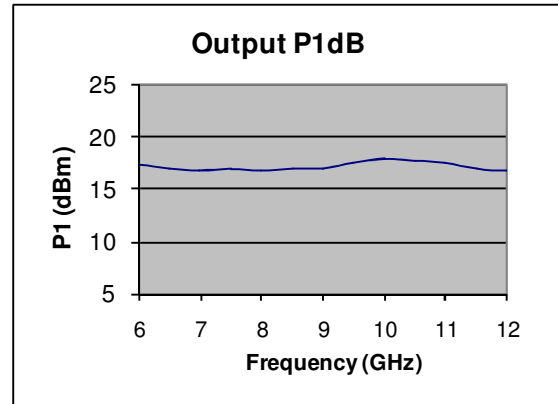
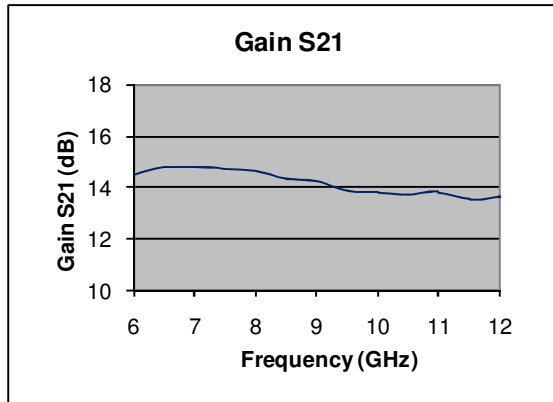
Electrical Specifications @+25 °C, Z_{in}=Z_{out}=50 Ohm, V_{supply} = +5VDC

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	GHz	6		12
Gain (S ₂₁) f = 6GHz	dB		14.5	
f = 9GHz	dB	13.0	14.2	
f = 12GHz	dB		13.5	
Gain Flatness	dB		± 0.6	
Output Power P _{1dB}	dBm		+17	
Saturated Output Power P _{Sat}	dBm		+19	
Output Third Order Intercept IP3	dBm		+25	
Noise Figure @9GHz	dB		4.5	5.5
Reverse Isolation (S ₁₂) @9GHz	dB		-37	
VSWR-Input (S ₁₁)	ratio:1	1.4 @6GHz	1.3 @9GHz	1.3 @12GHz
VSWR-Output (S ₂₂)	(unitless)	1.7 @6GHz	1.5 @9GHz	1.3 @12GHz
DC Power Supply - voltage	V	4.5	5.0	5.5
DC Power Supply - current	mA		145	160
Operating Temperature	°C	-40		+85
Size (RF/DC feedthru's excluded)	Inch	1.00 (L) x 0.75 (W) x 0.45 (H)		
Weight	Oz	0.6 (17 grams)		

GPA Series

6 – 12GHz RF Amplifier

Typical Performance @+25 °C



GPA Series

6 – 12GHz RF Amplifier

Typical Performance @+25 °C

