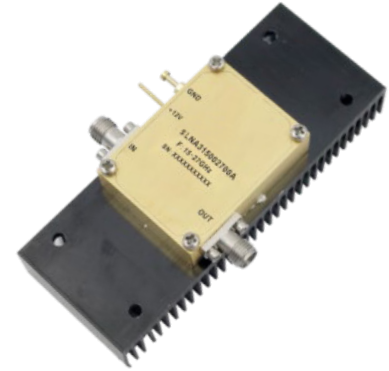


Features

- Gain: 38dB Typical
- Noise Figure: 2.5dB Typical
- P1dB Output Power: +28dBm
- Supply Voltage: +12V @ 700mA
- 50 Ohm Matched Input / Output

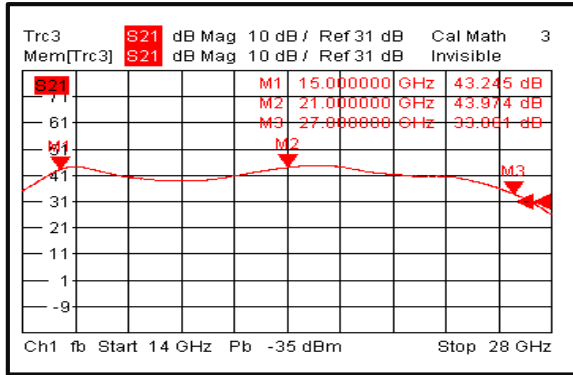
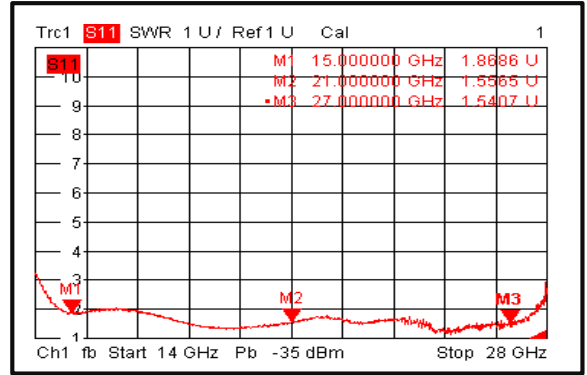
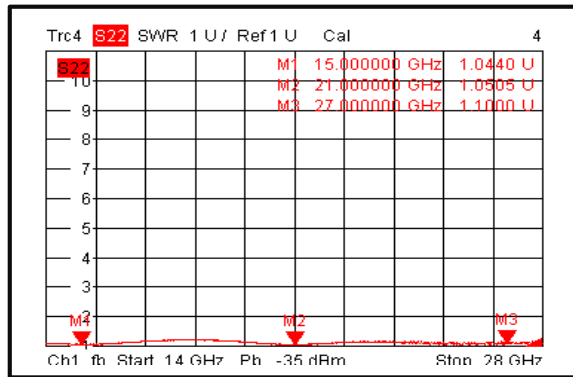
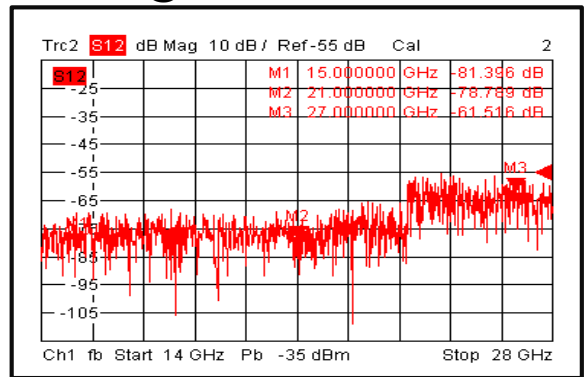
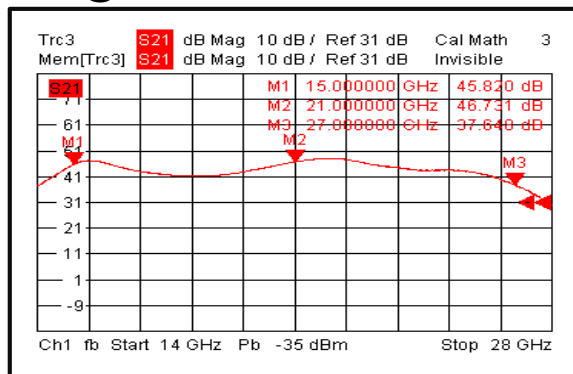
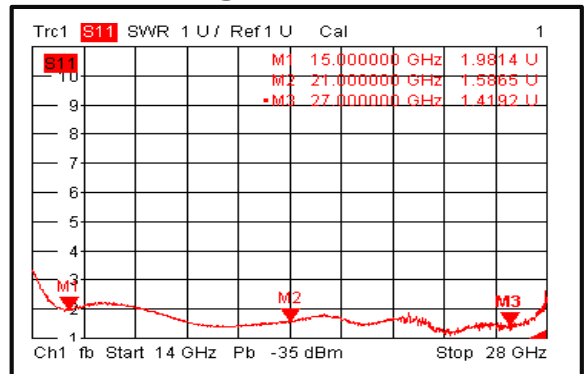

Typical Applications

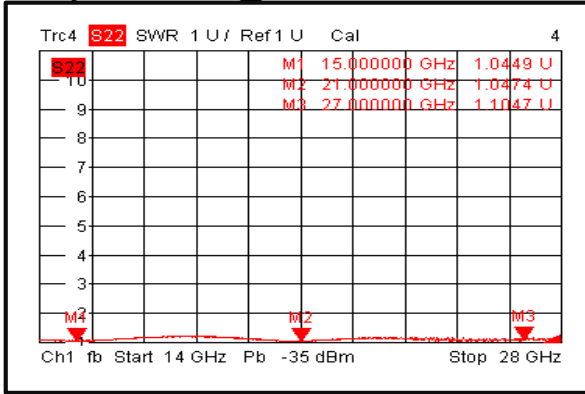
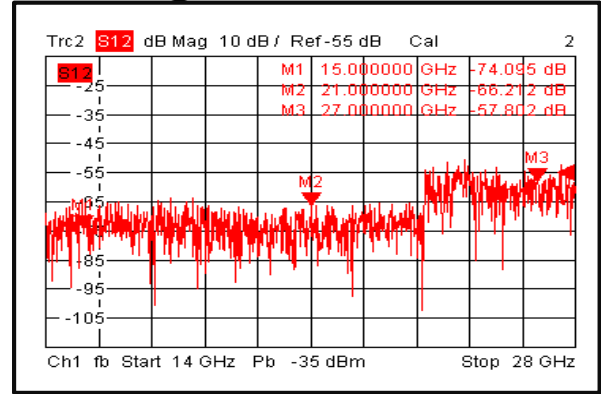
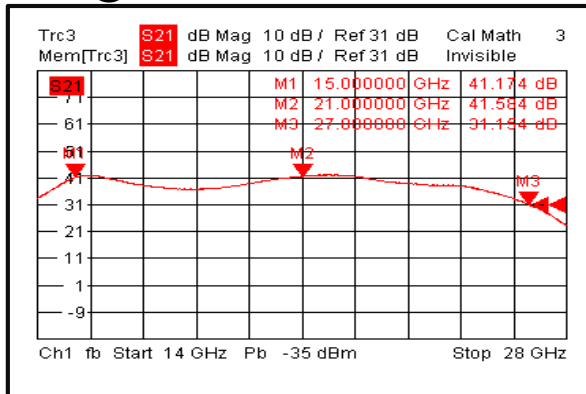
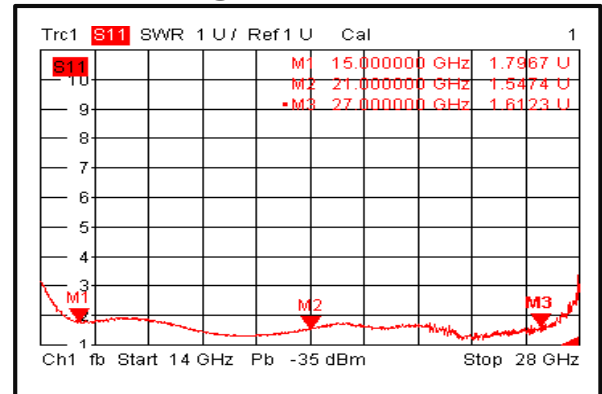
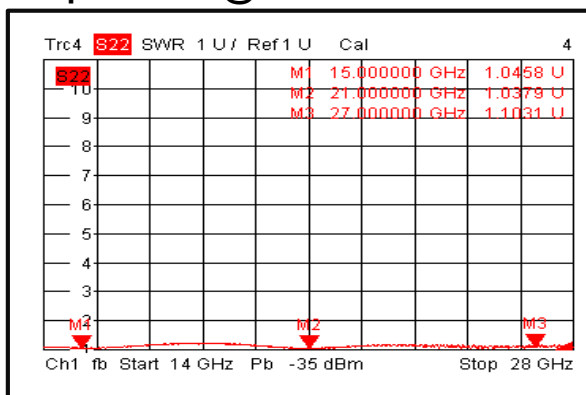
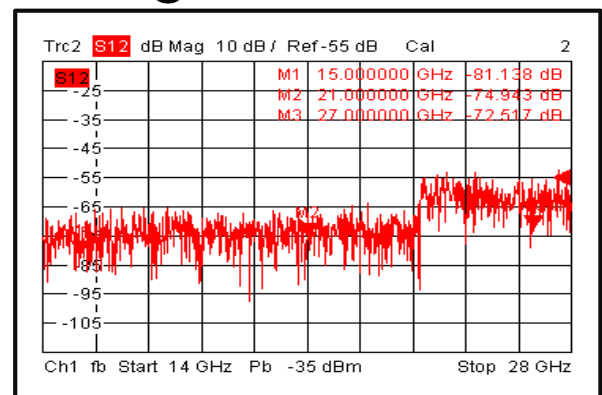
- Wireless Infrastructure
- 5G communication
- Test and measurement Instrument

RF Microwave & VSAT
Fiber Optics

Parameter	Min.	Typ.	Max.	Units
Frequency Range	15	21	27	GHz
Gain	31	41		dB
Gain Flatness		±2.0		dB
Gain Variation Over Temperature (-40°C~+85°C)		±1.0		dB
Noise Figure		2.5	3.5	dB
Input VSWR		1.8	2.3	: 1
Output VSWR		2.0		: 1
Output 1dB Compression Point (P1dB)	25	28		dBm
Saturated Output Power (Psat)	26.5	29		dBm
Output Third Order Intercept (OIP3)		36		dBm
Isolation S12		-65		dB
Supply Current (Idd) (Vcc=+12V)		450	700	mA

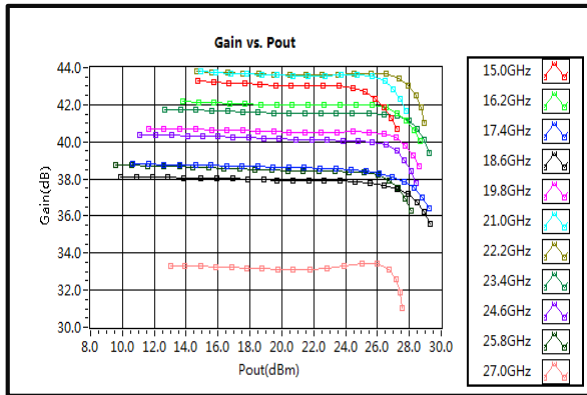
Weight	3.5 ounces (Max.)	Impedance	50 ohms
Input /Output Connectors	SMA-Female	Material	copper
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)
			Hermetically Sealed (Option with extra charge)

Low Noise Amplifier 15GHz-27GHz
Gain@+25°C

Input VSWR@+25°C

Output VSWR@+25°C

Isolation@+25°C

Gain@-40°C

Input VSWR @-40°C


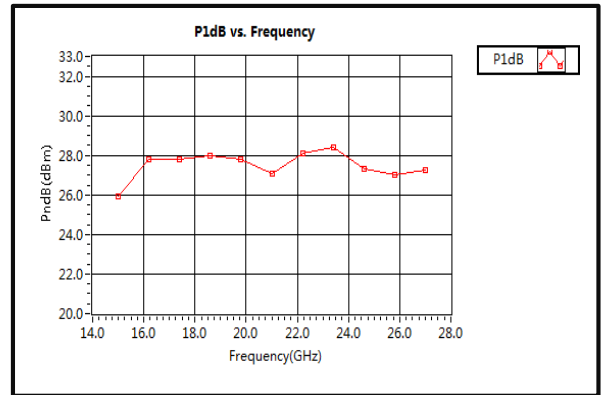
Low Noise Amplifier 15GHz-27GHz
Output VSWR @-40°C

Isolation @-40°C

Gain @+85°C

Input VSWR @+85°C

Output VSWR @+85°C

Isolation @+85°C


Low Noise Amplifier 15GHz-27GHz

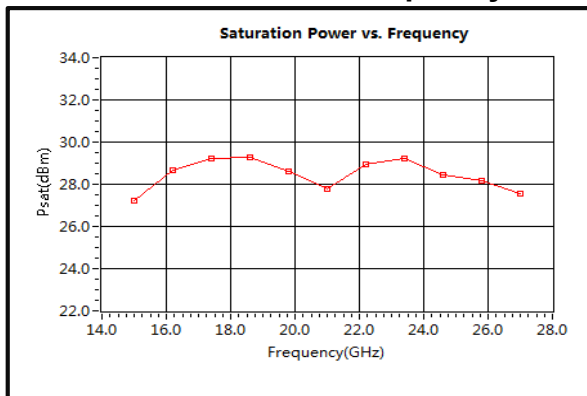
Gain vs. Output Power



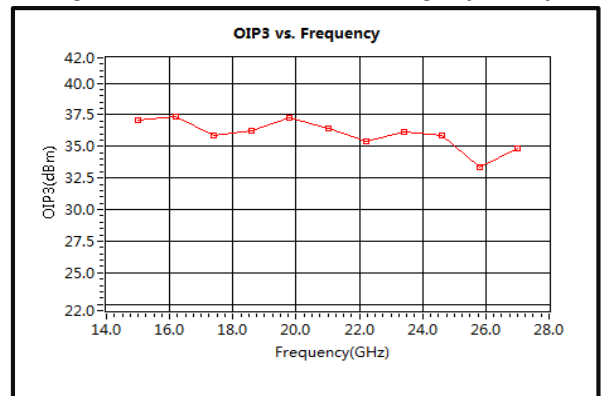
P1dB vs. Frequency



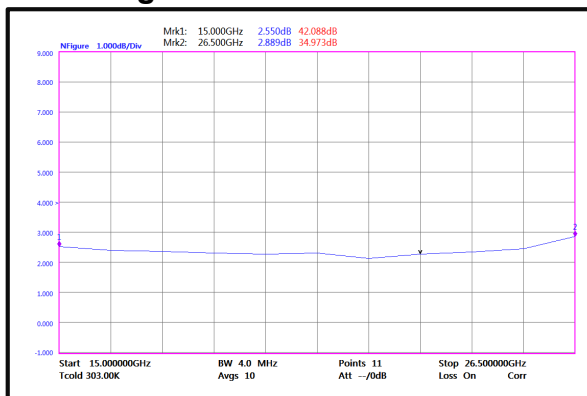
Saturation Power vs. Frequency



Output Third Order Intercept (OIP3)



Noise Figure



2nd Harmonic Wave Output Power

