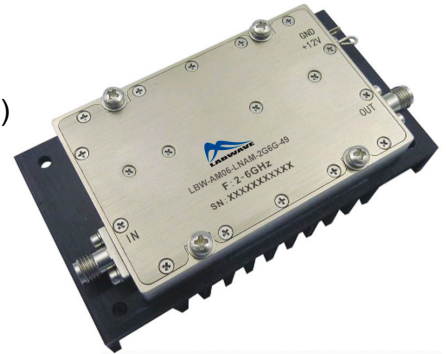


Характеристики:

- Коэффициент усиления: 46 дБ (тип.)
- Шум: 1,6 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +24 дБм (тип.)
- Напряжение питания: +12 В
- Согласованный вход/выход 50 Ом



Области применения:

- Беспроводные сети
- 5G сети
- Оборудование для тестирования и измерений
- Микроэлектроника и спутниковая связь
- Оптоволоконные сети

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	2		4	4		6	GHz
Gain	43	46	49	42	45	49	dB
Gain Flatness		±0.5	±1.5		±0.5	±1.5	dB
Gain Variation Over Temperature (-40°C~+85°C)		±1.0			±1.0		dB
Noise Figure		1.6	2.2		2.0	2.5	dB
Input VSWR		1.6	2.2		1.6	2.2	: 1
Output VSWR		1.6	2.2		1.6	2.2	: 1
Output Power for 1 dB Compression (P1dB)	22	24		21	23		dBm
Saturated Output Power (Psat)		26			27		dBm
Output Third Order Intercept (OIP3)		33			33		dBm
Supply Current (Vcc=+12V)		280	350		280	350	mA
Isolation S12		-65			-65		dB

Weight	Net	3.04 Max. Ounces	Impedance	50ohms
	Including Heat Sink	5.6 Max. Ounces		
Input / Output Connectors	SMA-Female		Material	Aluminum
Finish	Nickel Plated	Package Sealing	Epoxy Sealed (Standard)	
			Hermetically Sealed (Optional)	

Широкополосный малошумящий усилитель 2 ГГц — 6 ГГц

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power (RFIN)	0dBm

Biassing Up Procedure

Step 1	Connect Ground Pin
Step 2	Connect input and output
Step 3	Connect +12V biasing

Power OFF Procedure

Step 1	Turn off +12V biasing
Step 2	Remove RF connection
Step 3	Remove Ground

Environmental Specifications

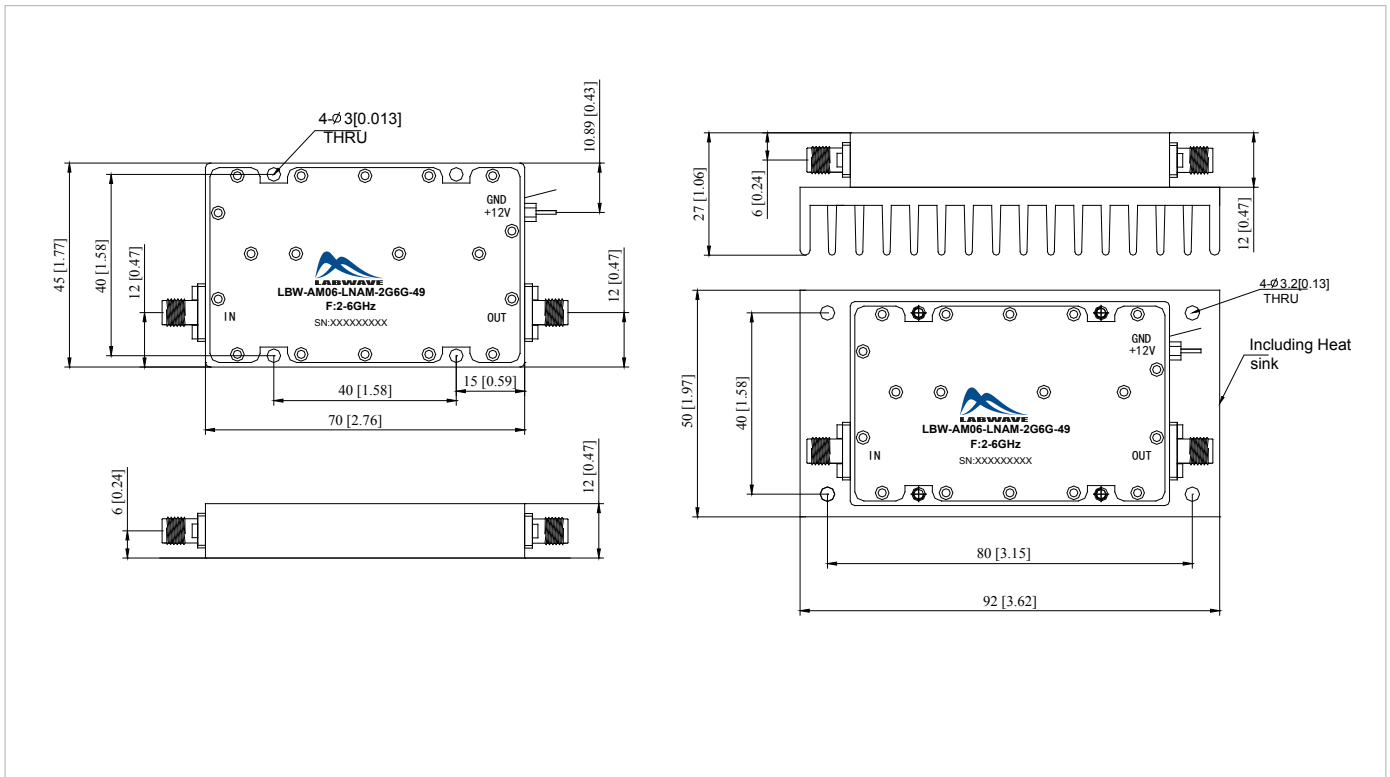
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Outline Drawing:

All Dimensions in mm (inches)

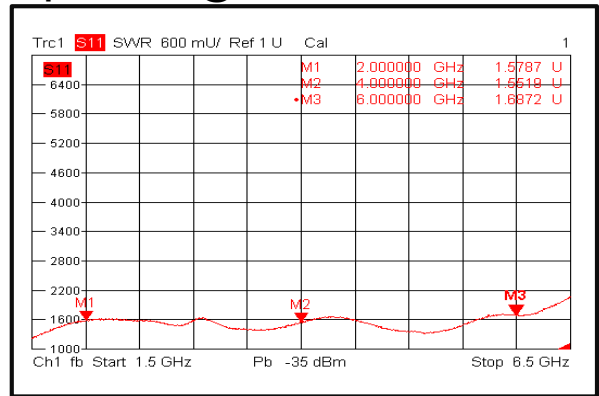
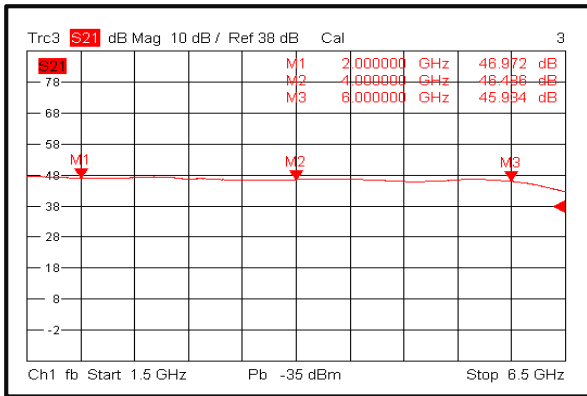
Housing Tolerances ± 0.2 (0.008)

Heat Sink required during operation(Sold Separately)

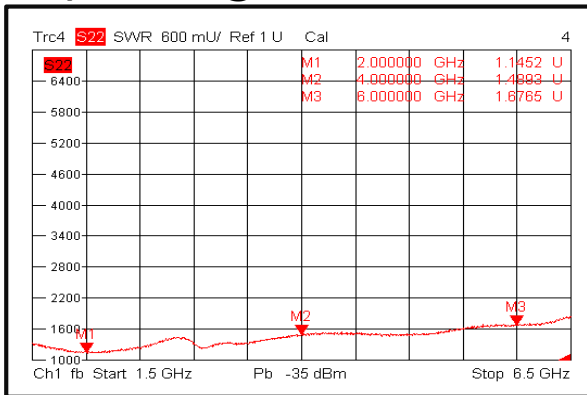


Широкополосный малошумящий усилитель 2 ГГц — 6 ГГц

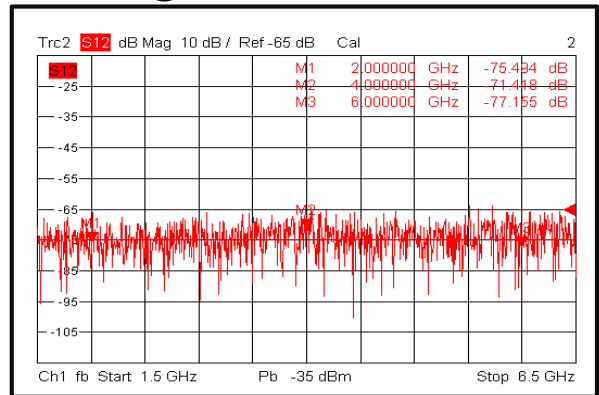
Gain@+25°C



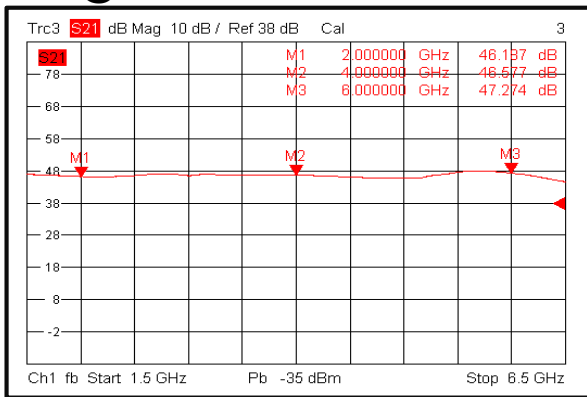
Output VSWR@+25°C



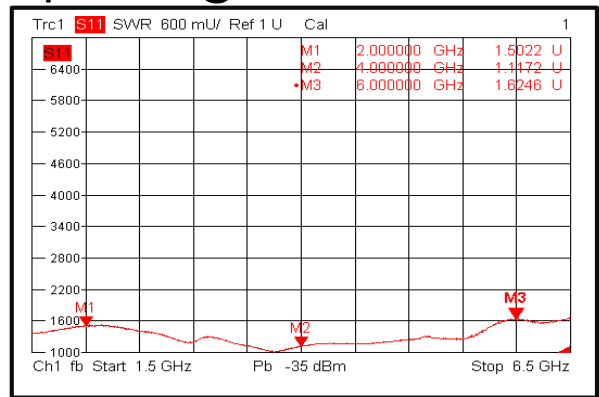
Isolation@+25°C



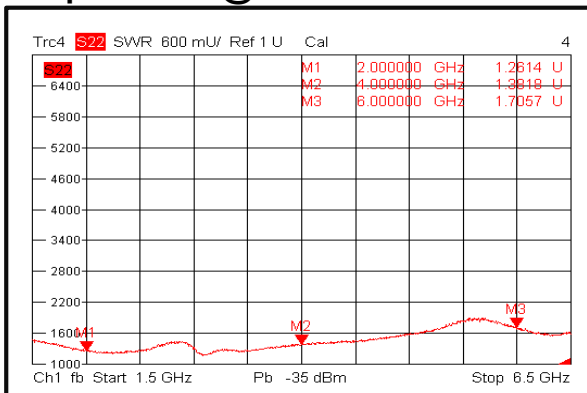
Gain@-40°C



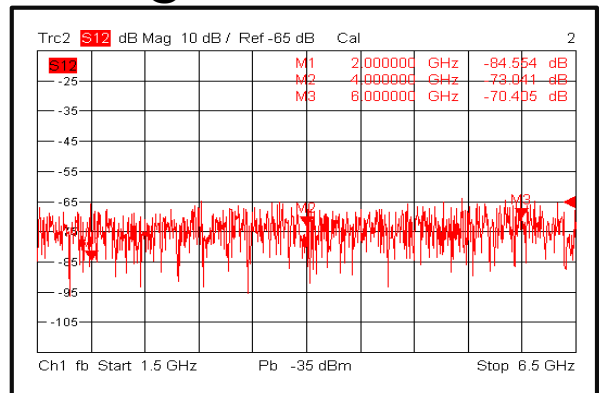
Input VSWR@-40°C



Output VSWR@-40°C

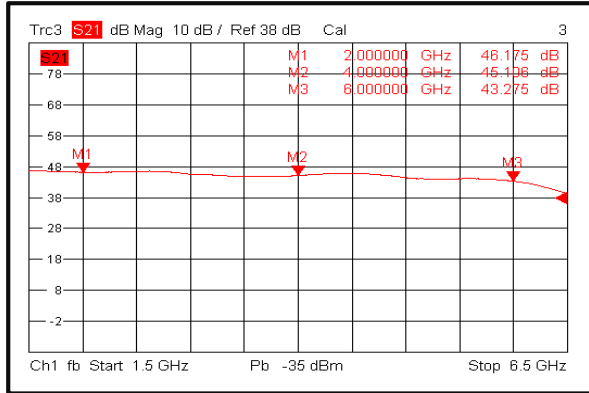


Isolation@-40°C

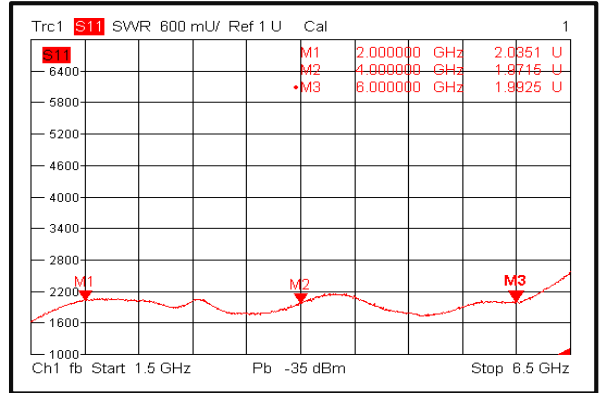


Широкополосный малошумящий усилитель 2 ГГц — 6 ГГц

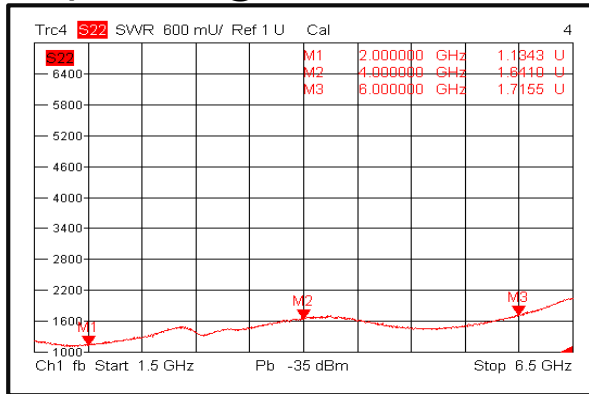
Gain@+85°C



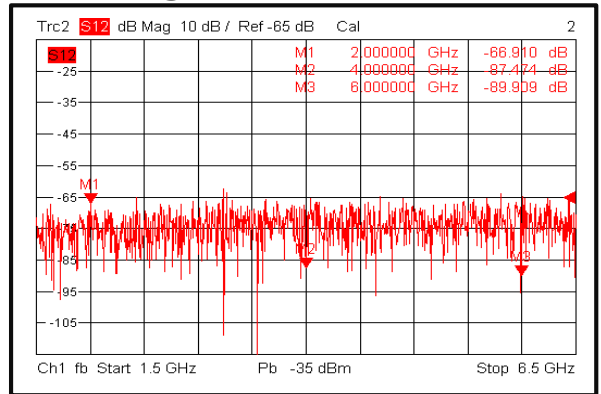
Input VSWR@+85°C



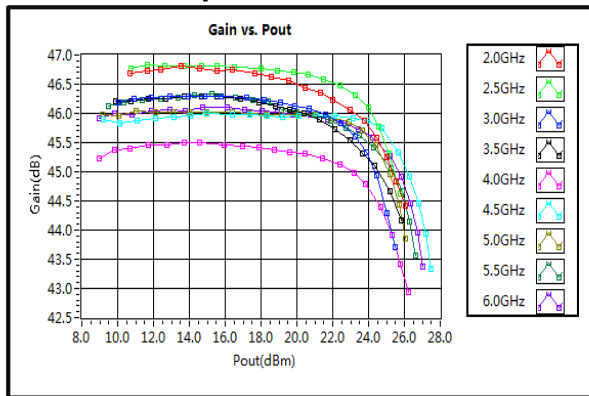
Output VSWR@+85°C



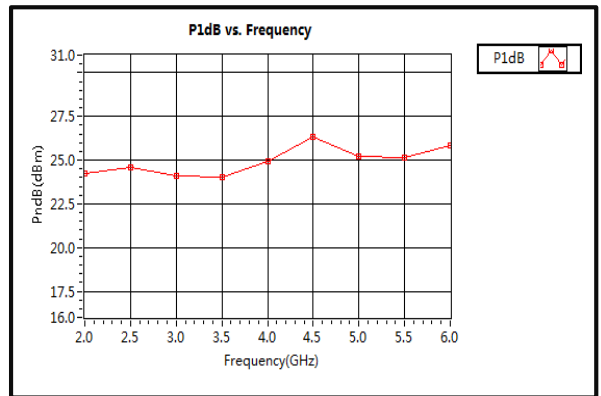
Isolation@+85°C



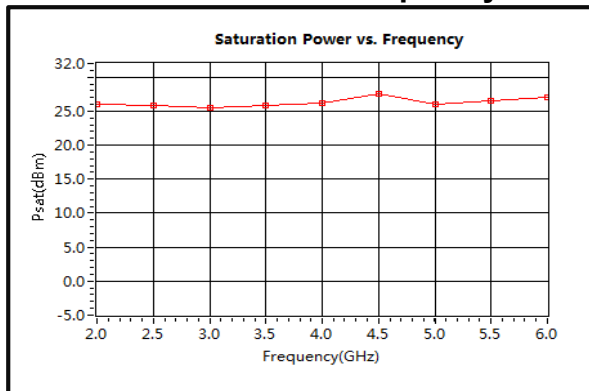
Gain vs. Output Power



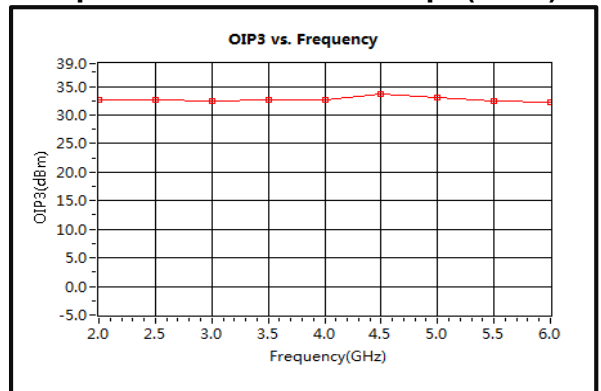
P1dB vs. Frequency



Saturation Power vs. Frequency

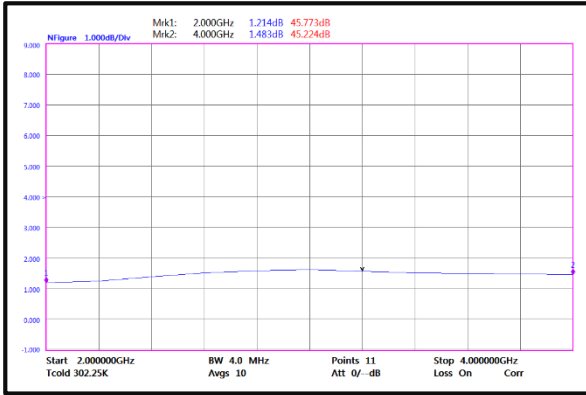


Output Third Order Intercept (OIP3)

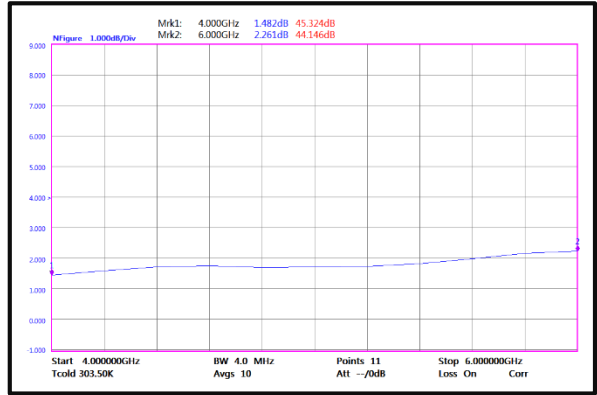


Широкополосный маломощный усилитель 2 ГГц — 6 ГГц

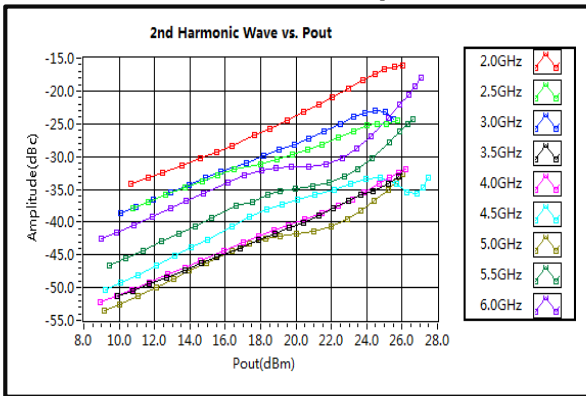
Noise Figure (2GHz-4GHz)



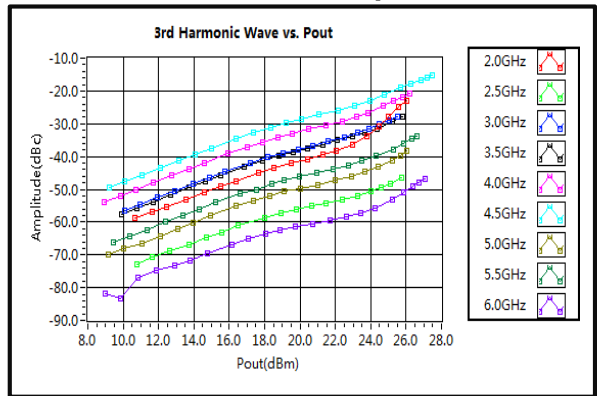
Noise Figure (4GHz-6GHz)



2nd Harmonic Wave Output Power



3rd Harmonic Wave Output Power



4th Harmonic Wave Output Power

