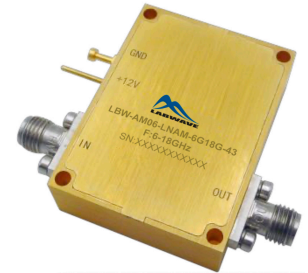


Характеристики:

- Коэффициент усиления: 43 дБ (тип.)
- Шум: 2,5 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +22 дБм (тип.)
- Напряжение питания: +12 В



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	6		12	12		18	GHz
Gain	41	43		39	41		dB
Gain Flatness		±1.5	±2.0		±2.0	±2.5	dB
Gain Variation Over Temperature (-40°C ~ +85°C)		±1.0			±1.0		dB
Noise Figure		2.5	3.0		2.8	3.5	dB
Input VSWR		1.8	2.0		1.7	2.0	: 1
Output VSWR		1.8	2.2		1.8	2.3	: 1
Output 1dB Compression Point (P1dB)	21	22		20	22		dBm
Saturated Output Power (Psat)		24			24		dBm
Output Third Order Intercept (OIP3)		28			28		dBm
Isolation S12		-65			-65		dB
Supply Current (Idd) (Vcc=+12V)		250	300		250	300	mA

Weight	1.6 ounces (Max.)	Impedance	50ohms
Input / Output Connectors	SMA-Female	Material	copper
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)
			Hermetically Sealed (Option with extra charge)

Широкополосный маломощный усилитель 6 ГГц — 18 ГГц

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power (RFIN)	-12dBm

Biasing 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

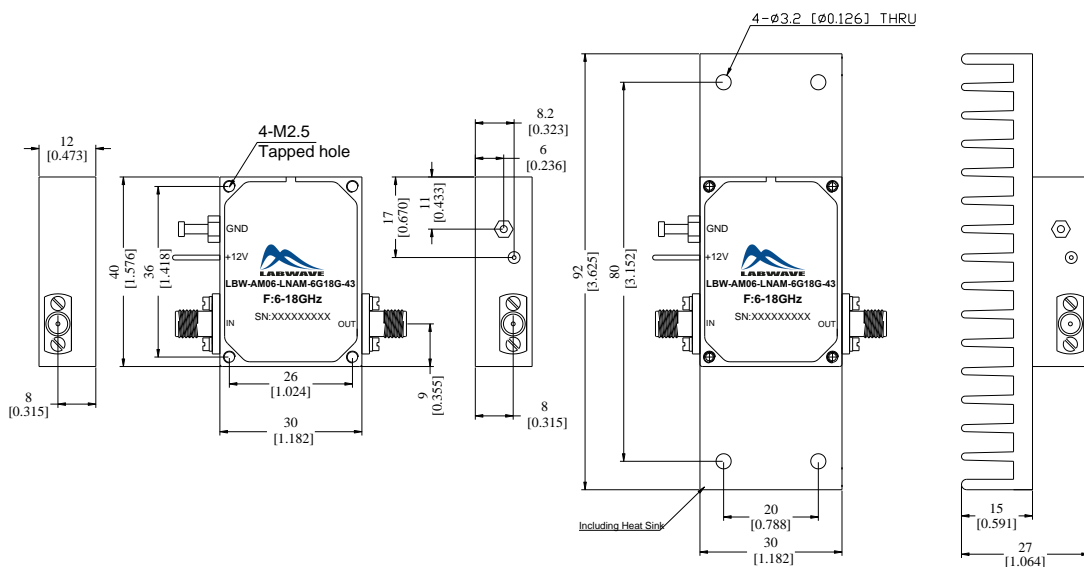
Environment specifications

Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
(Optional)	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment)
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:

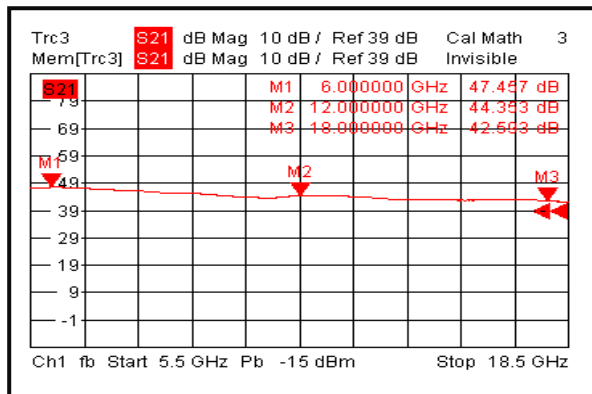
All Dimensions in mm (inches)

Heat Sink required during operation (Sold Separately)

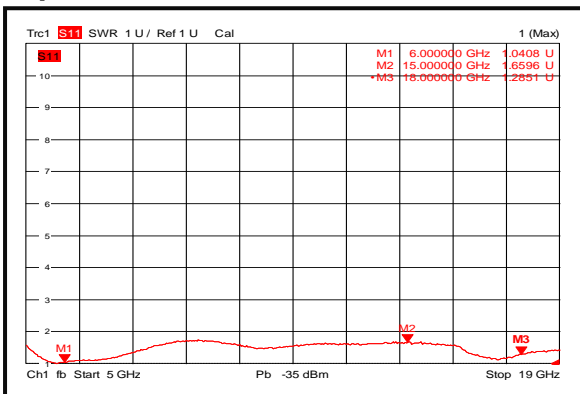


Широкополосный малошумящий усилитель 6 ГГц — 18 ГГц

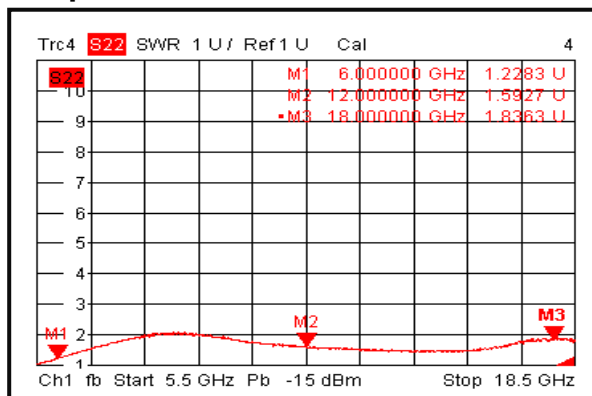
Gain @+25°C



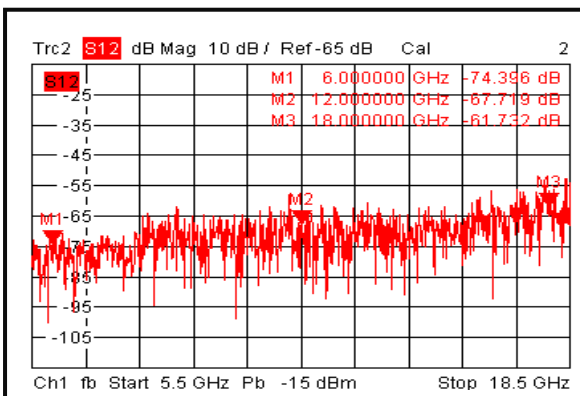
Input VSWR @+25°C



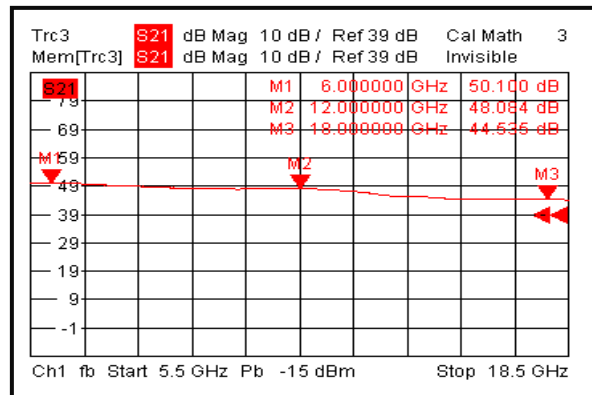
Output VSWR @+25°C



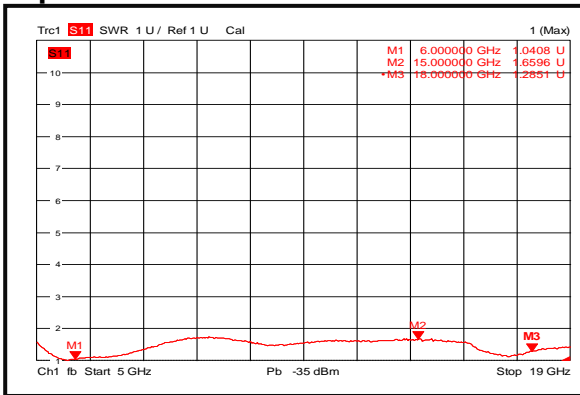
Isolation @+25°C



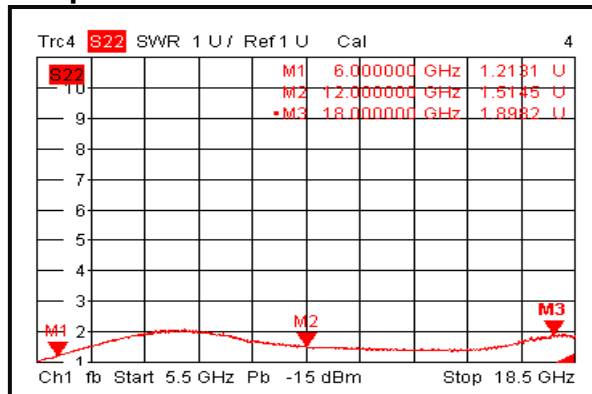
Gain @-40°C



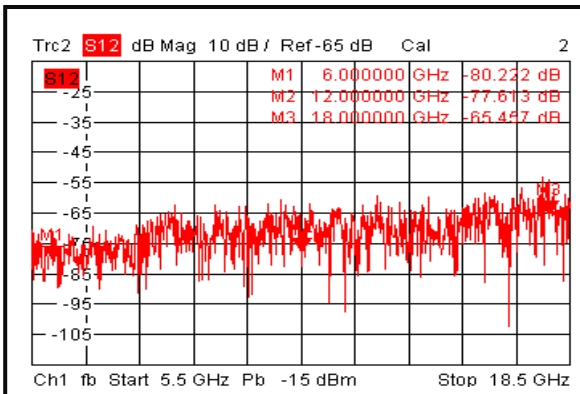
Input VSWR @-40°C



Output VSWR @-40°C

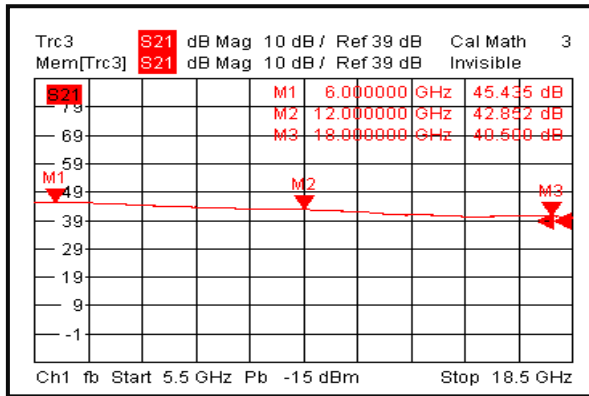


Isolation @-40°C

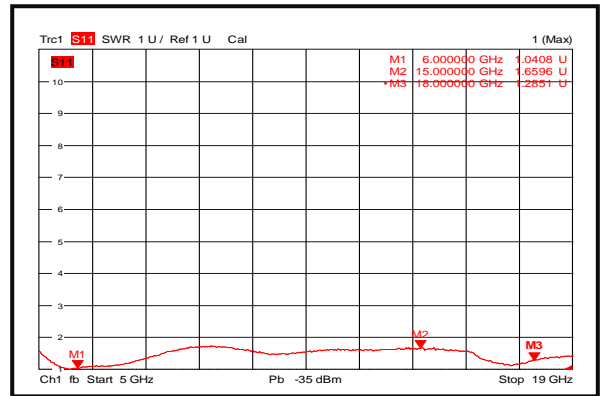


Широкополосный малошумящий усилитель 6 ГГц — 18 ГГц

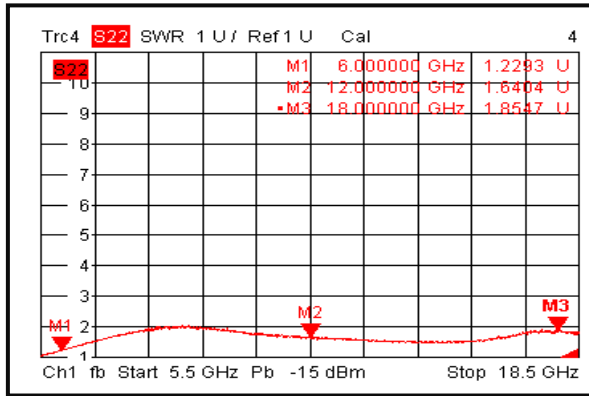
Gain @+85°C



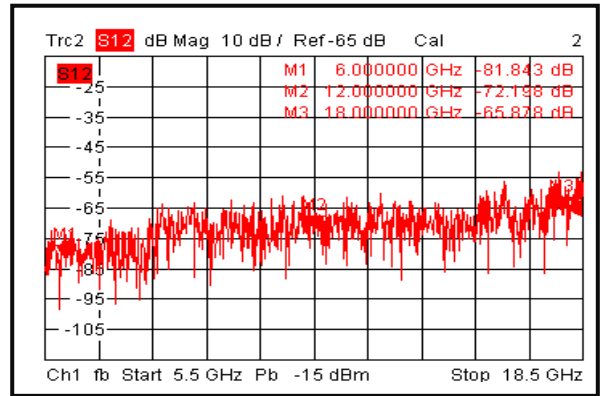
Input VSWR @+85°C



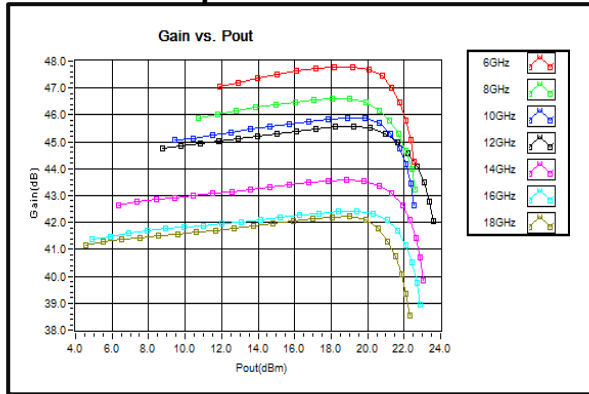
Output VSWR @+85°C



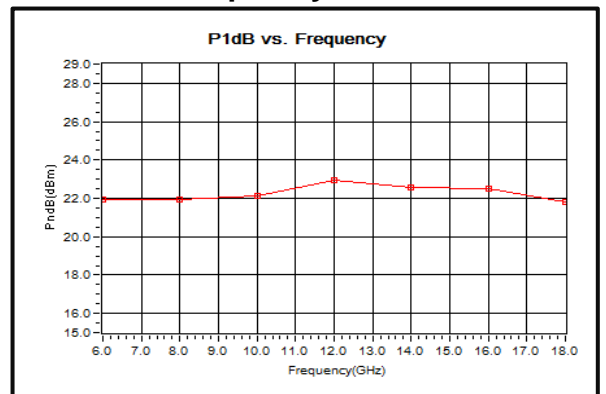
Isolation @+85°C



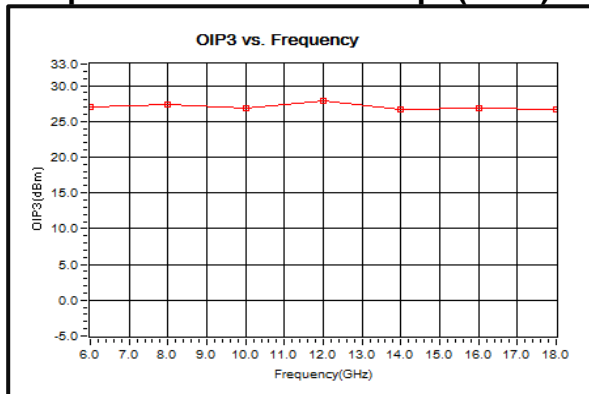
Gain vs. Output Power



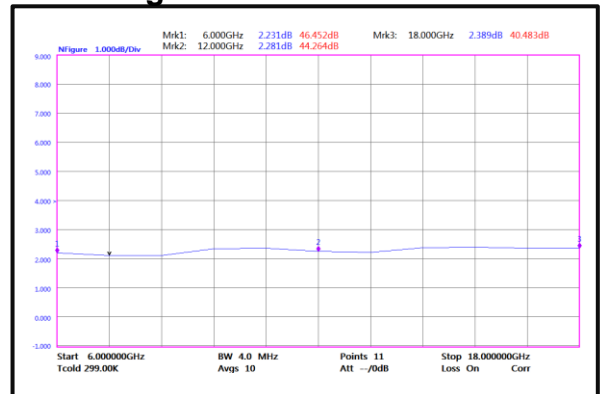
P1dB vs. Frequency



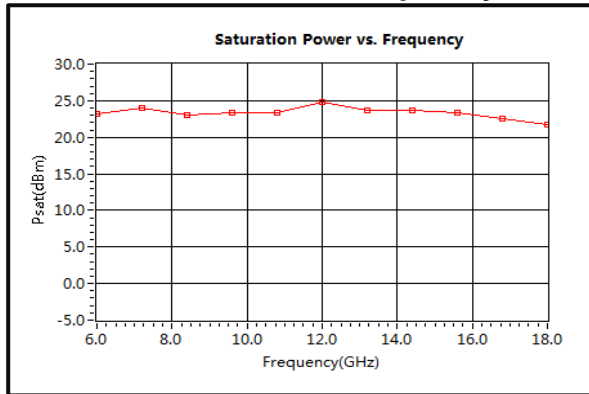
Output Third Order Intercept (OIP3)



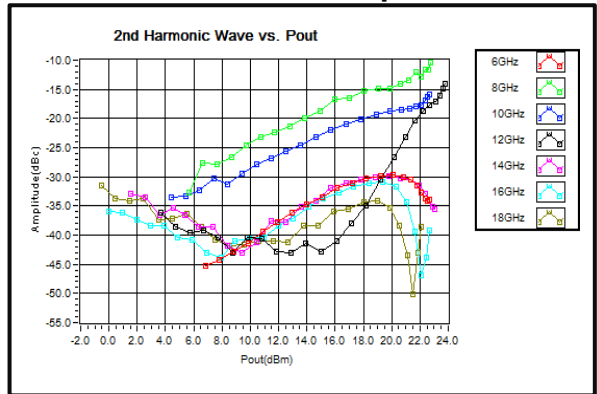
Noise Figure



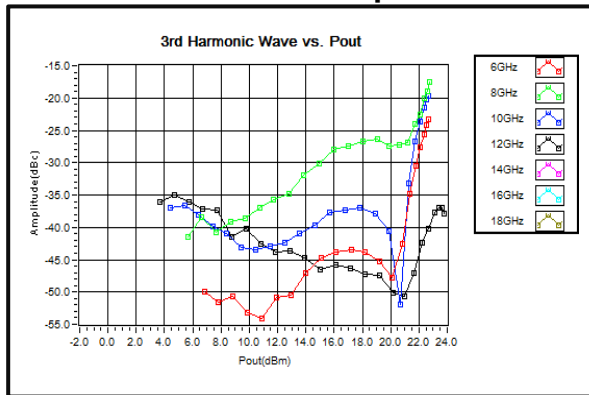
Saturation Power vs. Frequency



2nd Harmonic Wave Output Power



3rd Harmonic Wave Output Power



4th Harmonic Wave Output Power

