

Характеристики:

- Выходная мощность: 16 дБм (тип.)
- Легкое управление от пикового до средних значений
- Высокая линейность и низкий шум
- Встроенный радиатор



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	38	41		38	41		dB
Gain Flatness		±0.5	±0.8		±0.5	±1.0	dB
Gain Variation Over Temperature (-40°C~+85°C)		±1.0			±1.5		dB
Noise Figure		1.5	1.7		1.7	2.0	dB
Input Return Loss	15	20		15	20		dB
Output Return Loss	15	25		15	20		dB
Output 1dB Compression Point (P1dB)	15	16		14	15		dBm
Saturated Output Power (Psat)		16.5			16		dBm
Output Third Order Intercept (OIP3)		30			28		dBm
Isolation S12		-60			-60		dB
Supply Current (AC110~220V)		60			60		mA

Weight	38.8 Max. ounces	Impedance	50 Ohms
Input / Output Connectors	SMA-Female	Material	Aluminum
Finish	Gray Painted		

Широкополосный малошумящий усилитель сигналов переменного тока 6 ГГц — 18 ГГц

Absolute Maximum Ratings

Operating Voltage	AC110 to 240V
RF Input Power	+10dBm

Note: Maximum RF input power is defined to protect the amplifier from damage.
 Input power may be increased at the users own risk to achieve the full output power of the amplifier. Please reference gain and power curves and monitor the temperature.

Biasing Up Procedure

Step 1	Connect input and output with 50 Ohm source and load with in band return loss better than 10dB.
Step 2	Connect AC Plug
Step 3	Flip switch to "ON" position

Power OFF Procedure

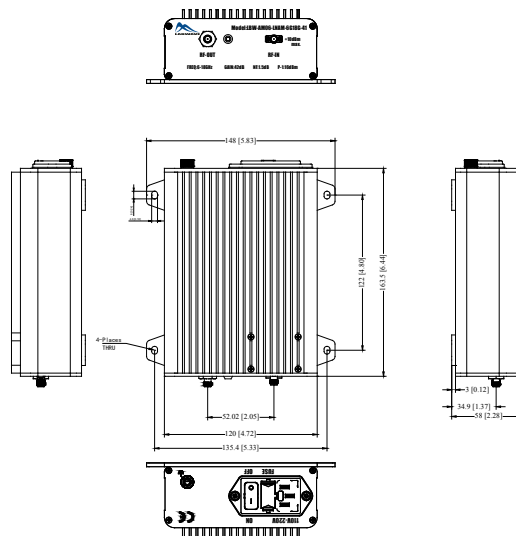
Step 1	Flip switch to "OFF" position
Step 2	Remove AC Plug
Step 3	Remove RF Connection

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

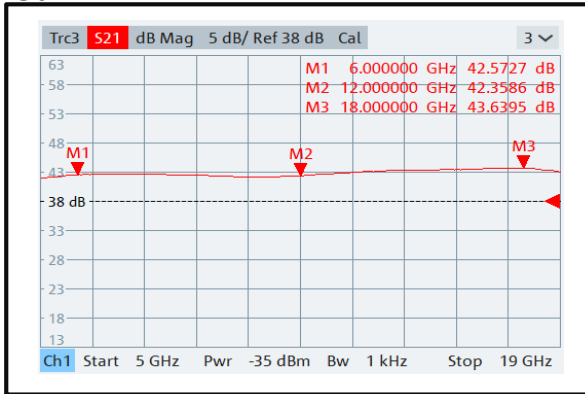
Outline Drawing:

All Dimensions in mm (inches)
 Housing Tolerances ± 1.5 (0.06)

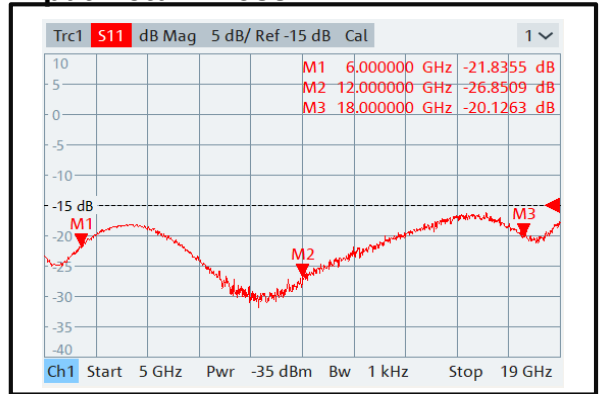


Широкополосный малошумящий усилитель сигналов переменного тока 6 ГГц — 18 ГГц

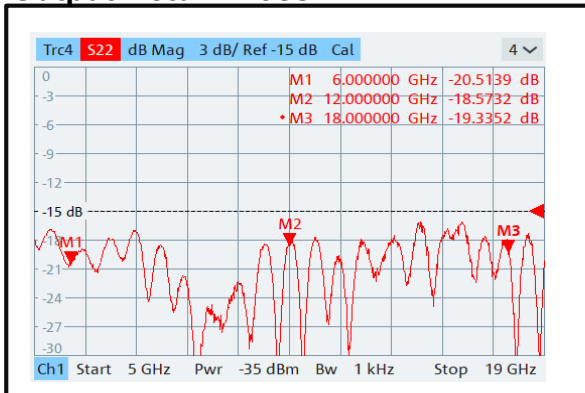
Gain



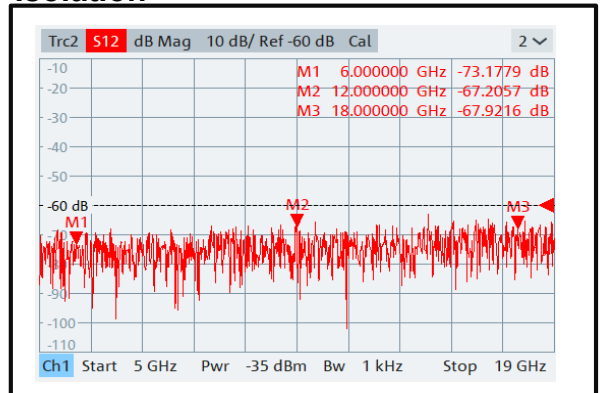
Input Return Loss



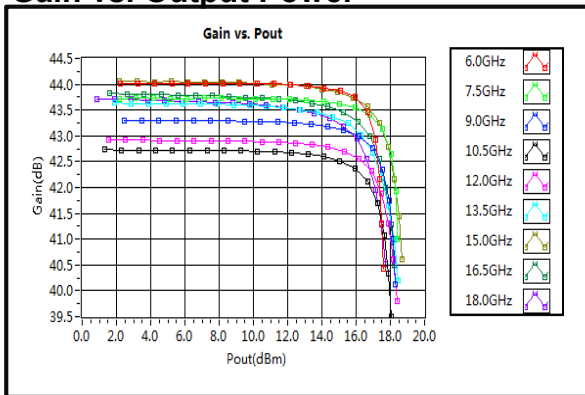
Output Return Loss



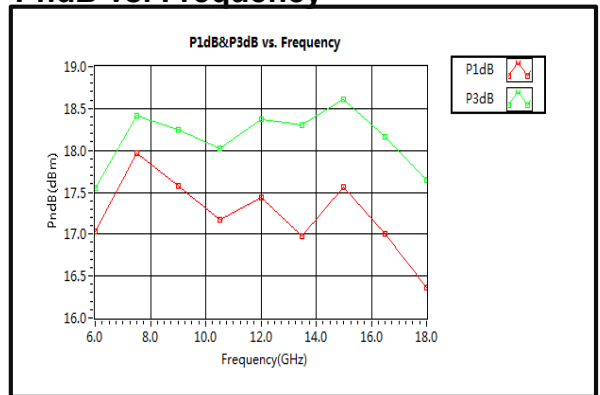
Isolation



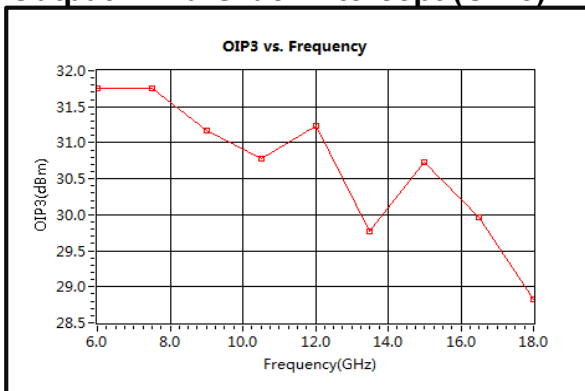
Gain vs. Output Power



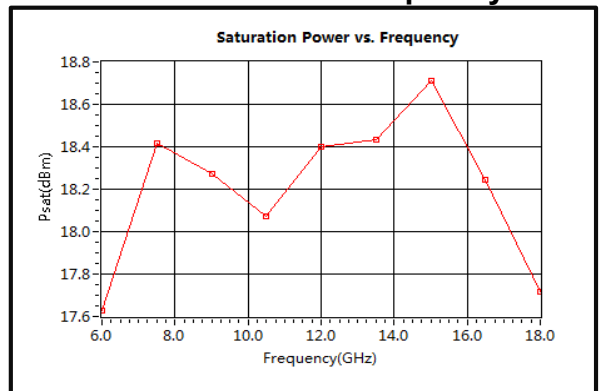
PndB vs. Frequency



Output Third Order Intercept (OIP3)



Saturation Power vs. Frequency

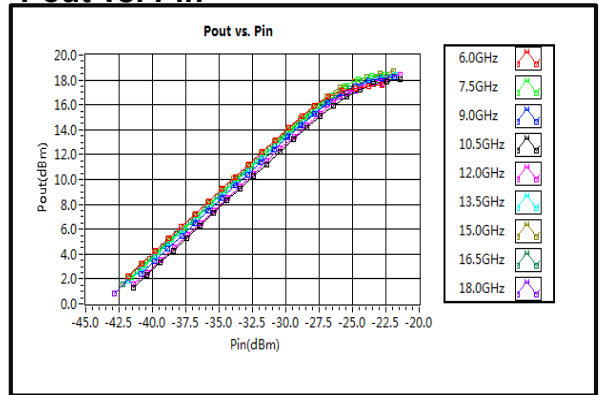


Широкополосный малошумящий усилитель сигналов переменного тока 6 ГГц — 18 ГГц

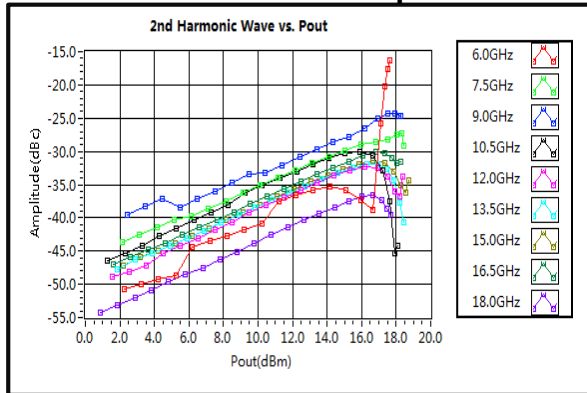
Noise Figure



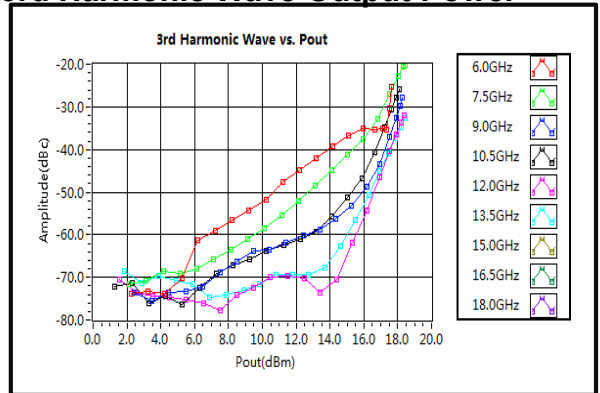
Pout vs. Pin



2nd Harmonic Wave Output Power



3rd Harmonic Wave Output Power



4th Harmonic Wave Output Power

