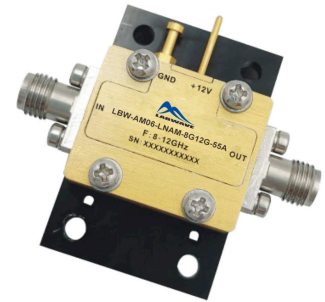


Характеристики:

- Коэффициент усиления: 55 дБ (тип.)
- Шум: 1,2 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +17 дБм (тип.)
- Напряжение питания: +15 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.	Units
Frequency Range	8		12	GHz
Gain	50	55		dB
Gain Flatness		± 1.0	± 2.0	dB
Gain Variation Over Temperature (-40°C~+85°C)		± 1.0		dB
Noise Figure		1.2	1.4	dB
Input VSWR		1.5	2.0	: 1
Output VSWR		1.6	2.0	: 1
Output 1dB Compression Point (P1dB)	15	17		dBm
Saturated Output Power (Psat)		19		dBm
Output Third Order Intercept (OIP3)		28		dBm
Supply Current (Vcc=+15V)		200	250	mA
Isolation S12		-65		dB

Weight	Net	0.48 Ounces (Max.)	Impedance	50ohms
	Including Heat sink	1.12 Ounces (Max.)		
Input / Output Connectors	SMA-Female		Material	Aluminum
Finish	Gold Plated		Package Sealing	Epoxy Sealed (Standard)
				Hermetically Sealed (Option with extra charge)

Широкополосный малошумящий усилитель 8 ГГц — 12 ГГц

Absolute Maximum Ratings

Operating Voltage	+16V
RF Input Power	-15dBm

Biassing Up Procedure

Step 1	Connect Ground Pin
Step 2	Connect input and output
Step 3	Connect +15V biasing

Power OFF Procedure

Step 1	Turn off +15V biasing
Step 2	Remove RF connection
Step 3	Remove Ground.

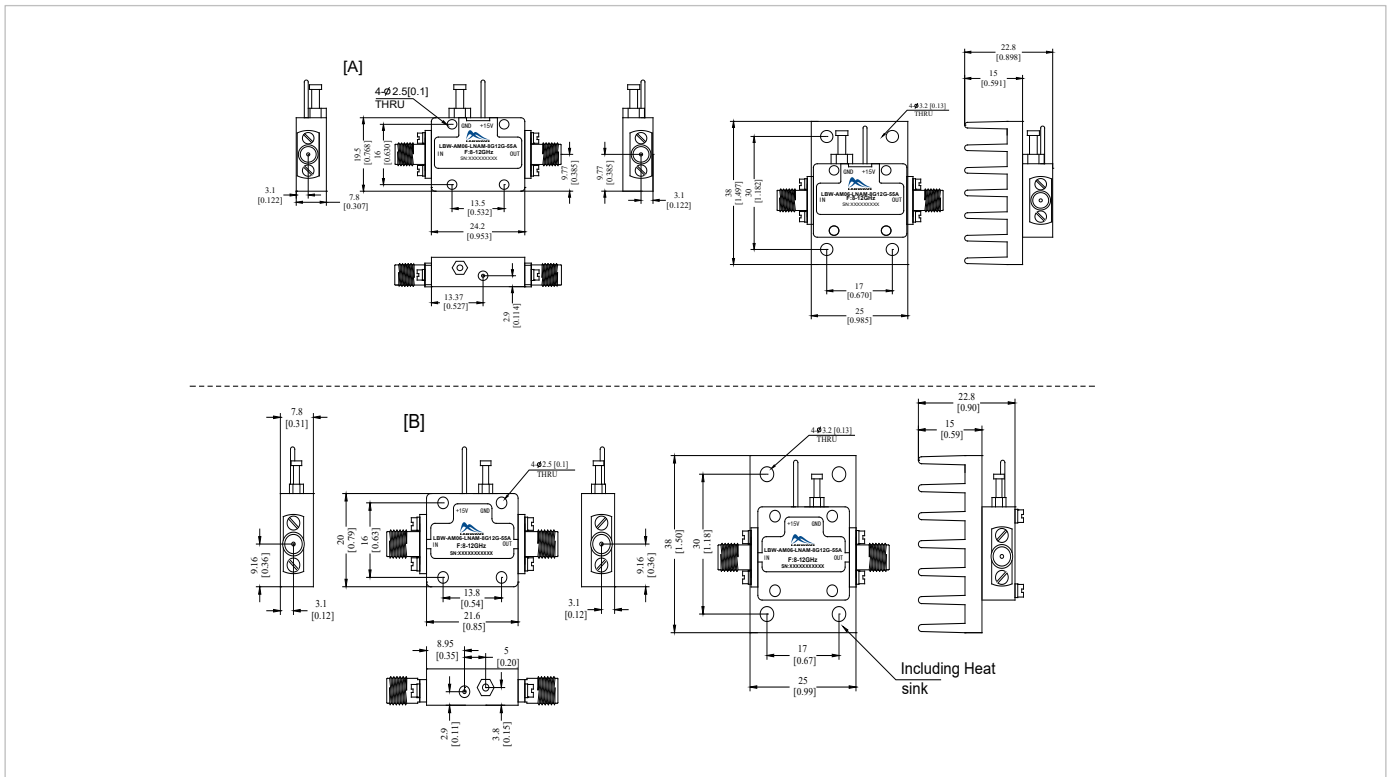
Environmental Specifications

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:

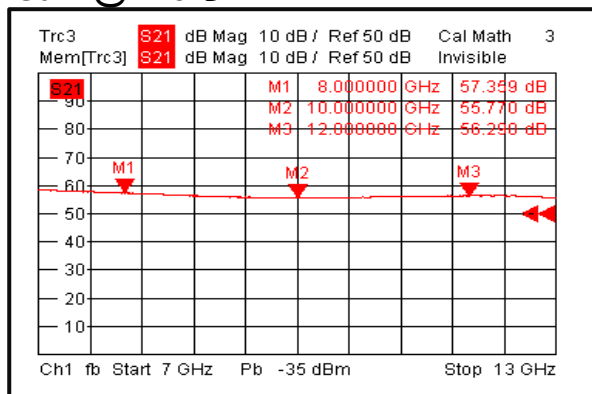
All Dimensions in mm (inches)
 Housing Tolerances ± 0.1 (0.004)
 (Excl Heat Sink)

Heat Sink required during operation(Sold Separately)

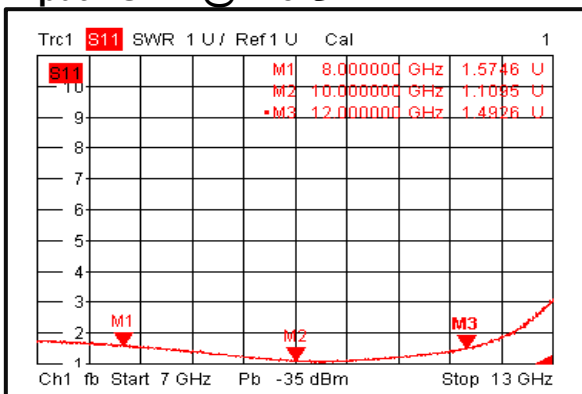


Широкополосный малошумящий усилитель 8 ГГц — 12 ГГц

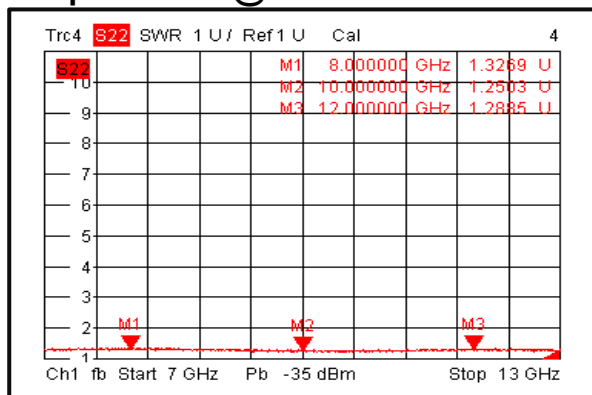
Gain @ +25°C



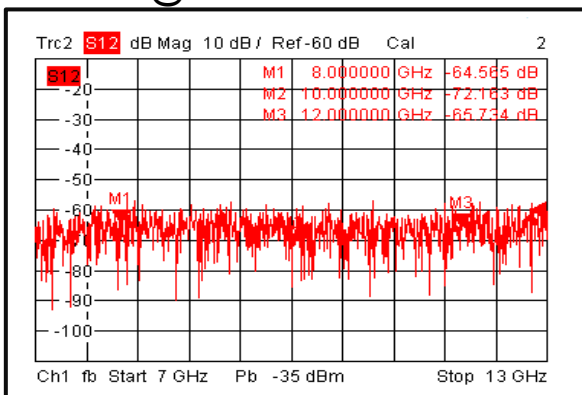
Input VSWR @ +25°C



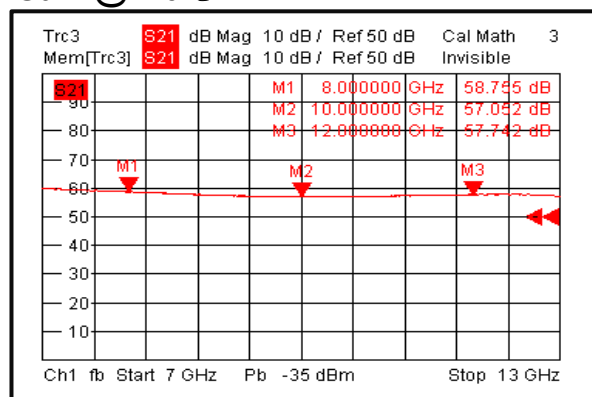
Output VSWR @ +25°C



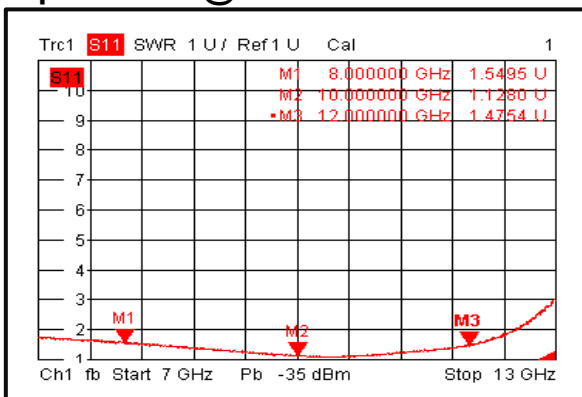
Isolation @ +25°C



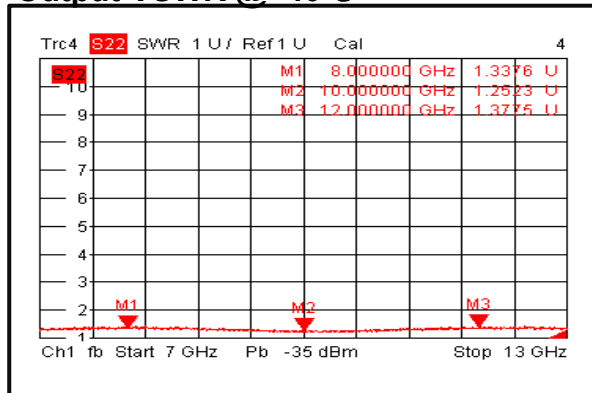
Gain @ -40°C



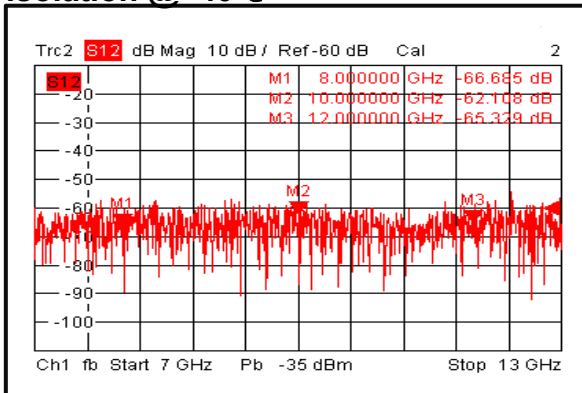
Input VSWR @ -40°C



Output VSWR @ -40°C

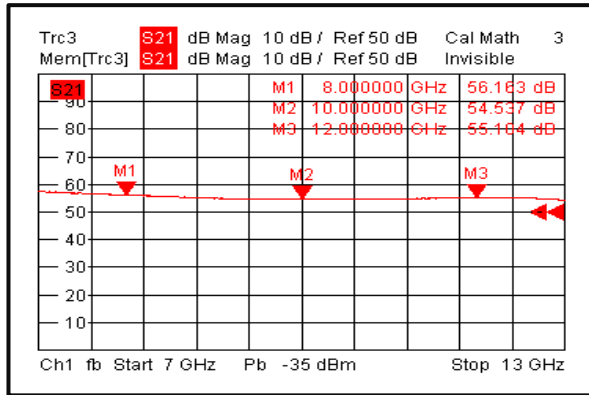


Isolation @ -40°C

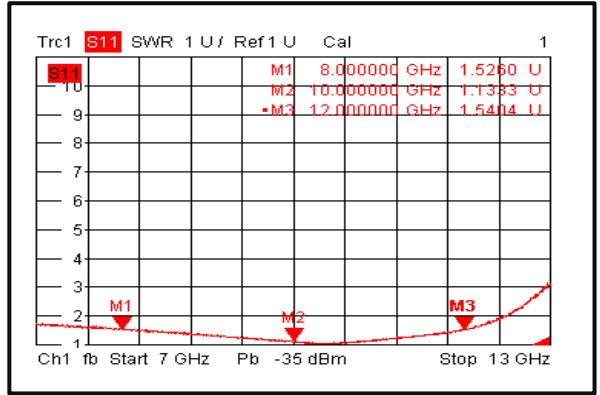


Широкополосный малошумящий усилитель 8 ГГц — 12 ГГц

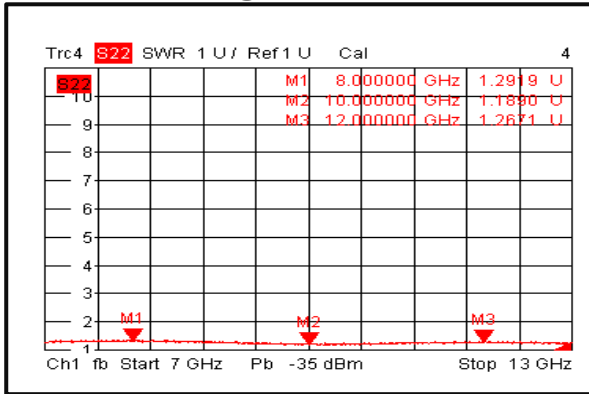
Gain @ +85°C



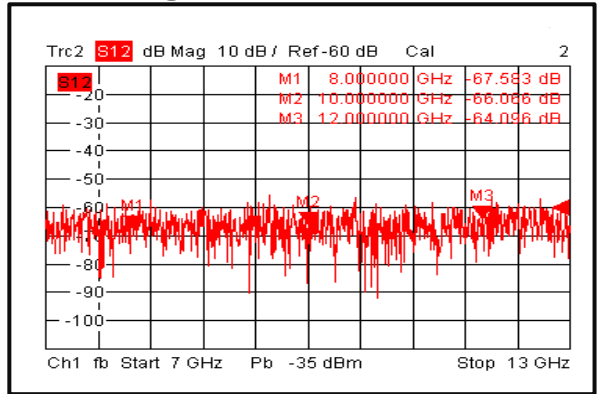
Input VSWR @ +85°C



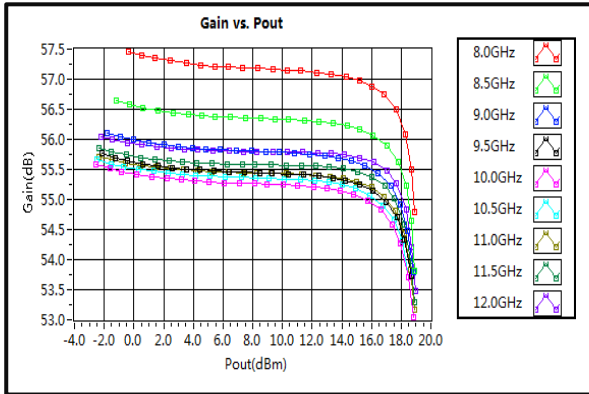
Output VSWR @ +85°C



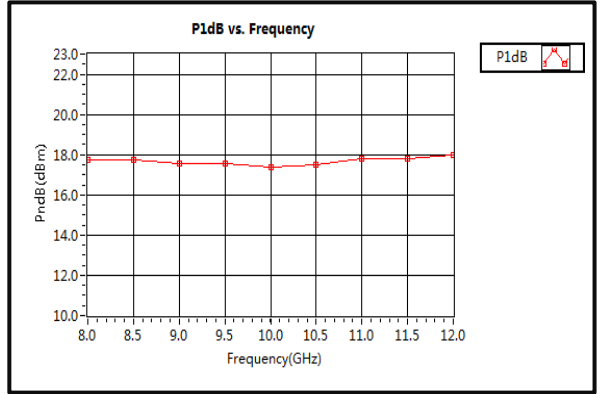
Isolation @ +85°C



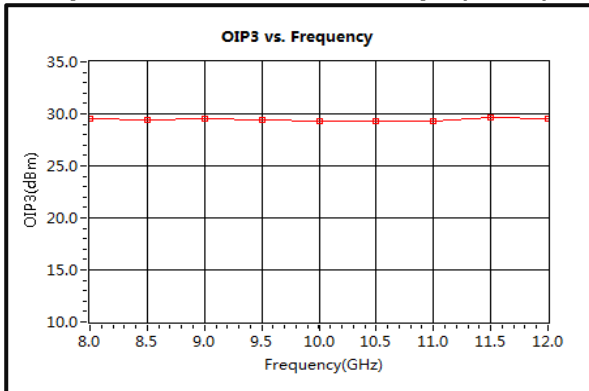
Gain vs. Output Power



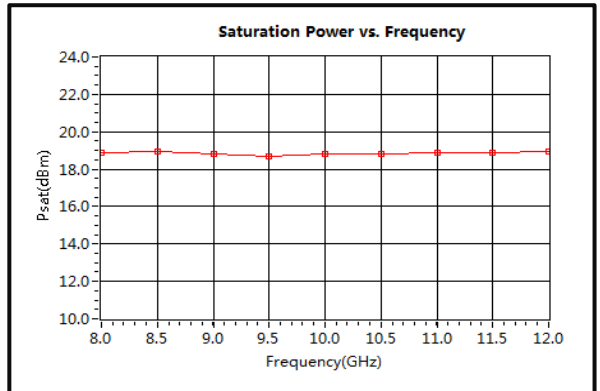
P1dB vs. Frequency



Output Third Order Intercept (OIP3)

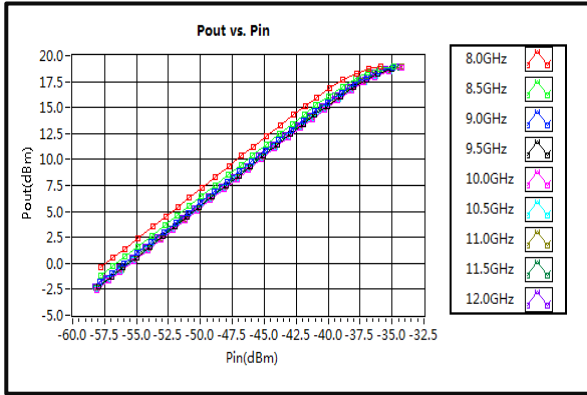


Saturation Power vs. Frequency

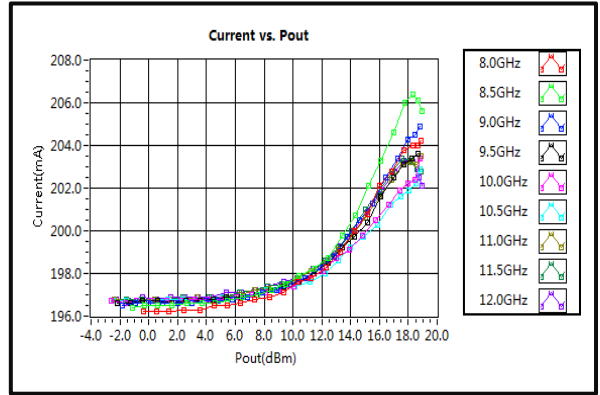


Широкополосный малошумящий усилитель 8 ГГц — 12 ГГц

Pout vs. Pin



Current vs. Pout



Noise Figure

