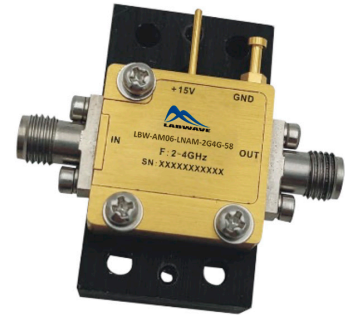


Характеристики:

- Коэффициент усиления: 58 дБ (тип.)
- Шум: 0,75 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +21 дБм (тип.)
- Напряжение питания: +15 В



Области применения:

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

Parameter	Min.	Typ.	Max.	Units
Frequency Range	2		4	GHz
Gain	56	58		dB
Gain Flatness		±1.0	±1.5	dB
Gain Variation Over Temperature(-40°C~+85°C)		±1.5		dB
Noise Figure		0.75	1.0	dB
Input VSWR		1.6	2.0	: 1
Output VSWR		1.8	2.2	: 1
Output 1dB Compression Point (P1dB)	18	20		dBm
Saturated Output Power (Psat)		21		dBm
Output Third Order Intercept (OIP3)		34		dBm
Supply Current (Vcc=+15V)		165	200	mA
Isolation S12		-60		dB

Weight	Net	0.42 Max ounces.	Impedance	50ohms
	Including Heat Sink	0.93 Max ounces.		
Input / Output Connectors	SMA-Female		Material	Aluminum
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)	
			Hermetically Sealed (Option with extra charge)	

Широкополосный малошумящий усилитель мощности 2 ГГц - 4 ГГц

Absolute Maximum Ratings

Operating Voltage	+15.5V
RF Input Power	-30dBm

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

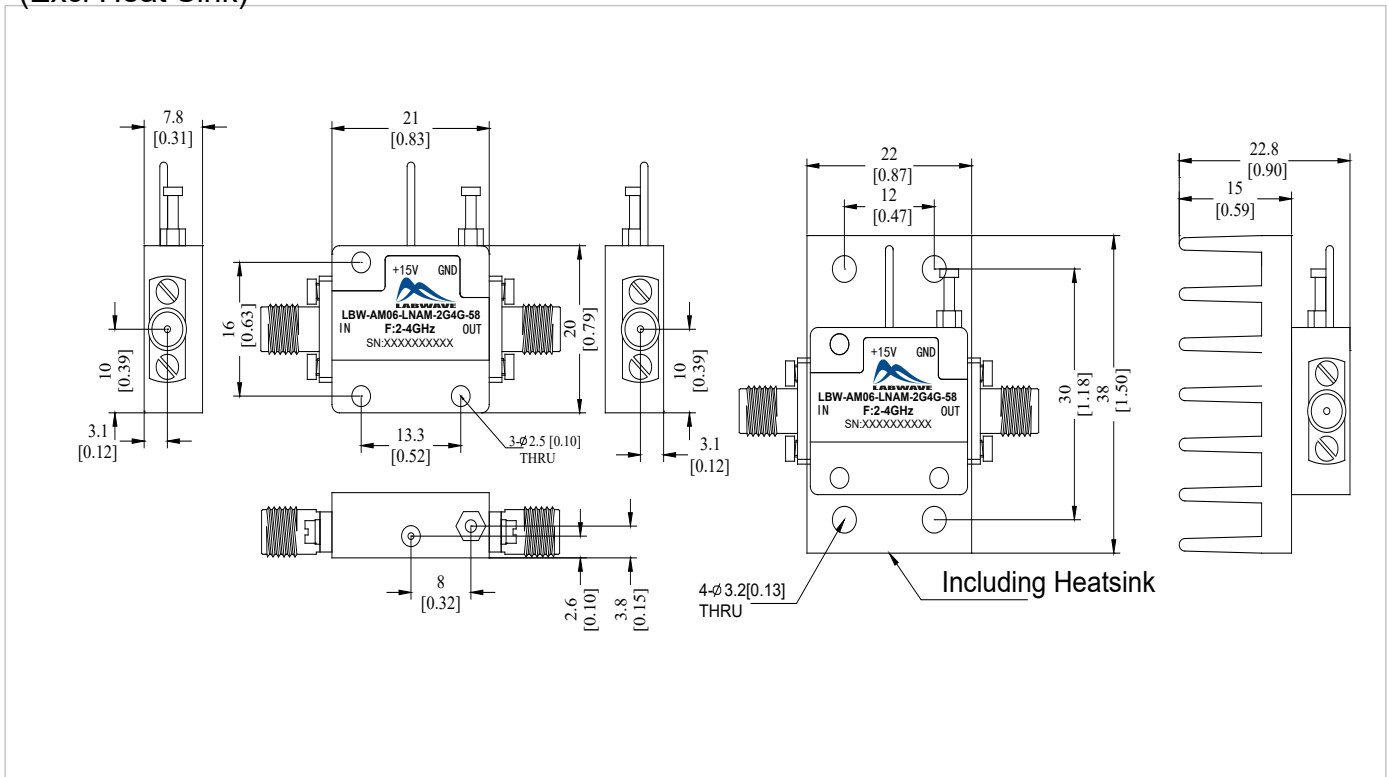
Environmental Specifications

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:

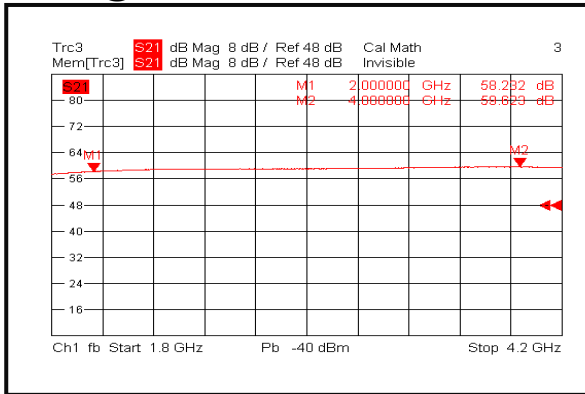
All Dimensions in mm (inches)
Housing Tolerances $\pm 0.1(0.004)$
(Excl Heat Sink)

Heat Sink required during operation(Sold Separately)

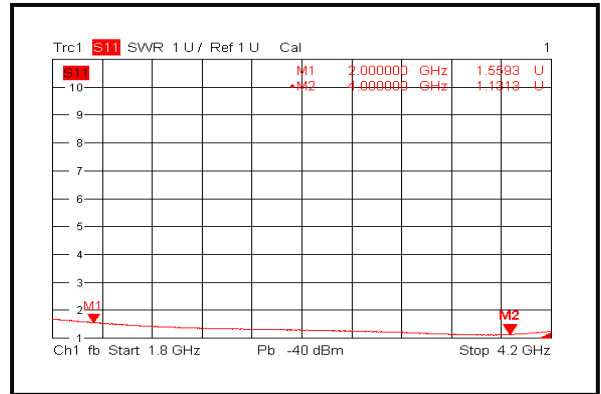


Широкополосный малошумящий усилитель мощности 2 ГГц - 4 ГГц

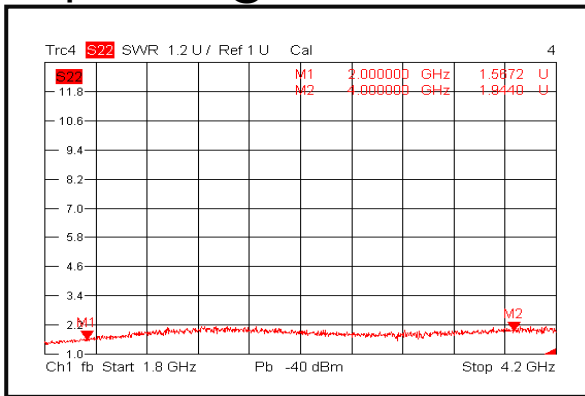
Gain @+25°C



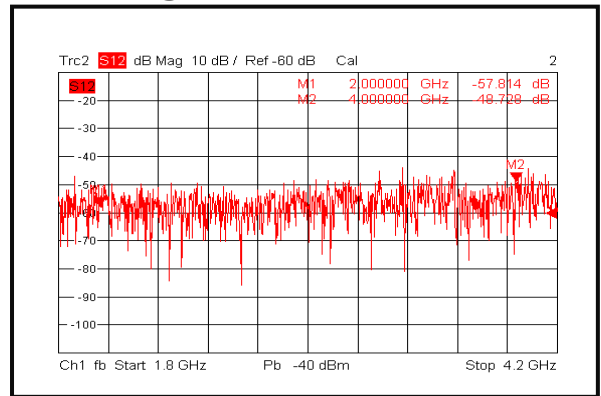
Input VSWR @+25°C



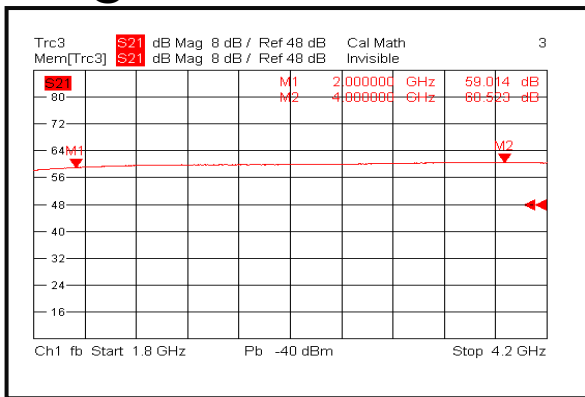
Output VSWR @+25°C



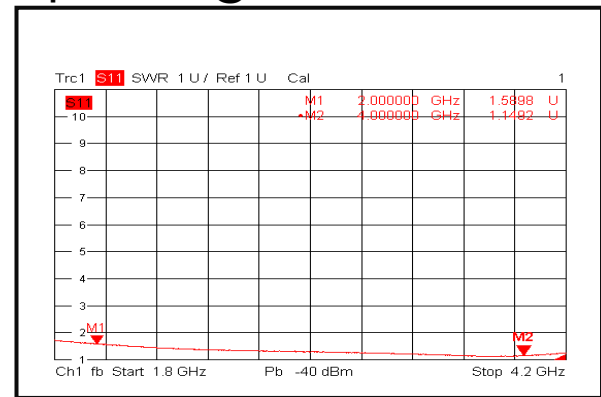
Isolation @+25°C



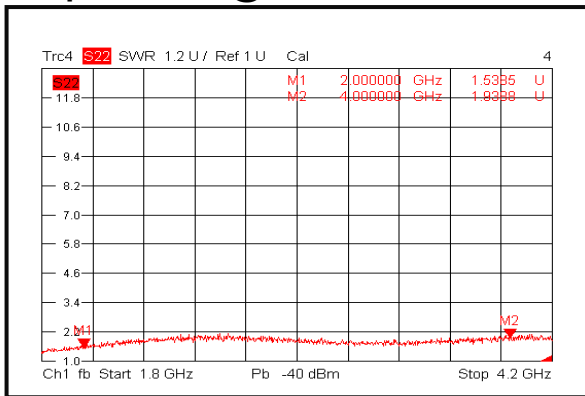
Gain @-40°C



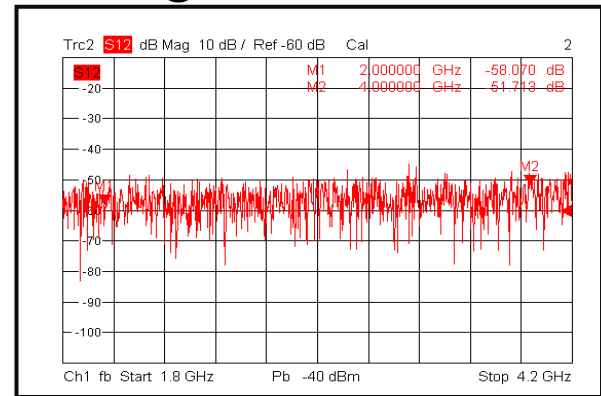
Input VSWR @-40°C



Output VSWR @+40°C

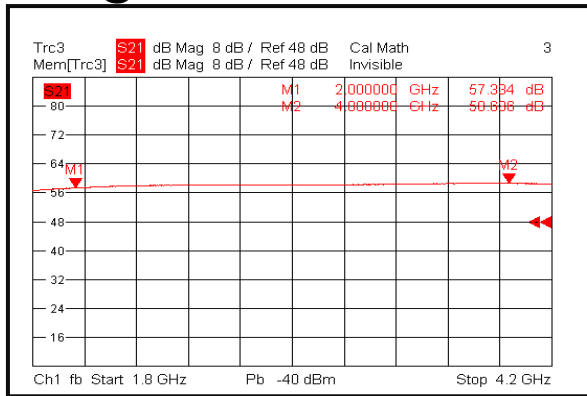


Isolation @+40°C

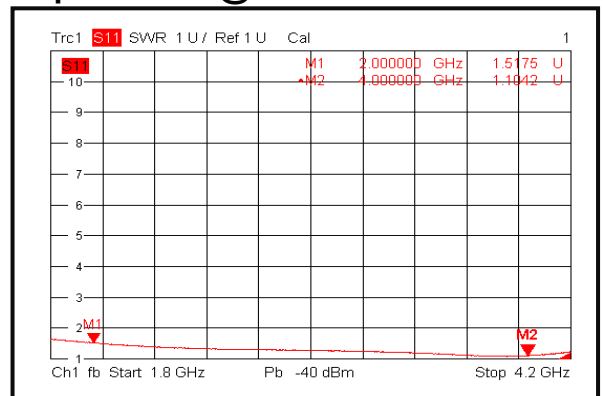


Широкополосный малошумящий усилитель мощности 2 ГГц - 4 ГГц

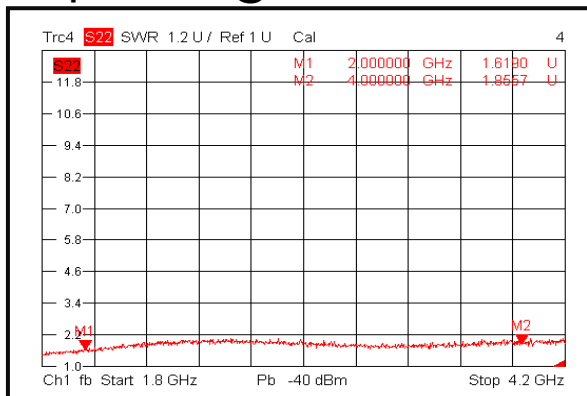
Gain @+85°C



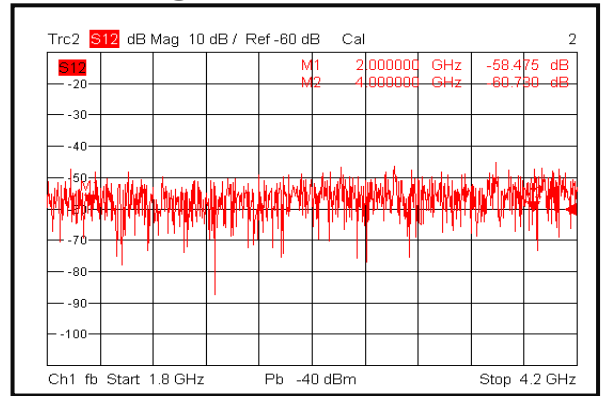
Input VSWR @+85°C



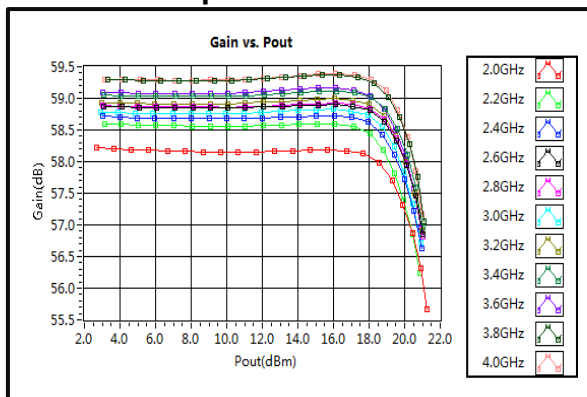
Output VSWR @+85°C



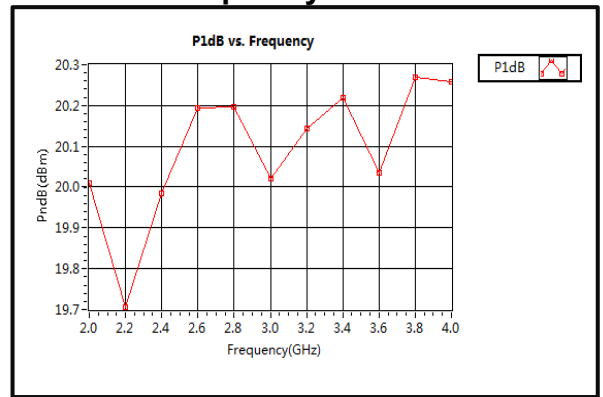
Isolation @+85°C



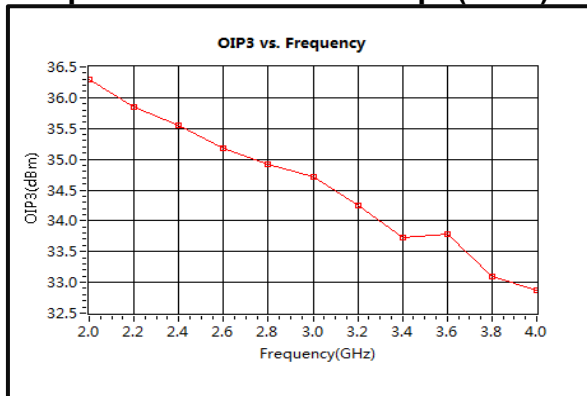
Gain vs. Output Power



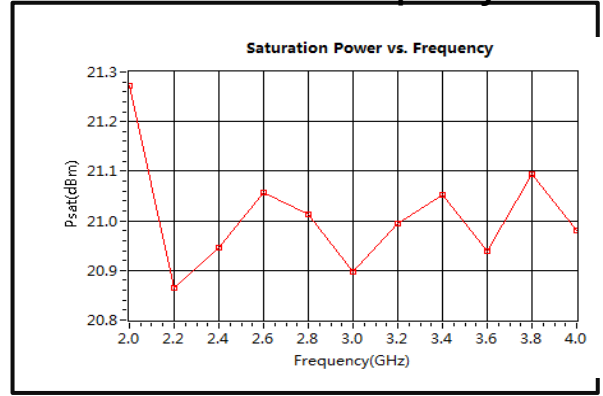
P1dB vs. Frequency



Output Third Order Intercept (OIP3)

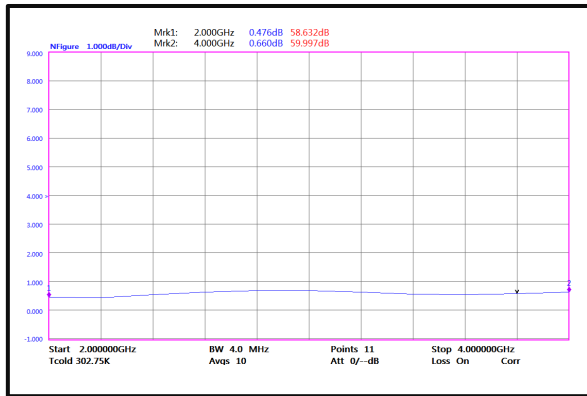


Saturation Power vs. Frequency

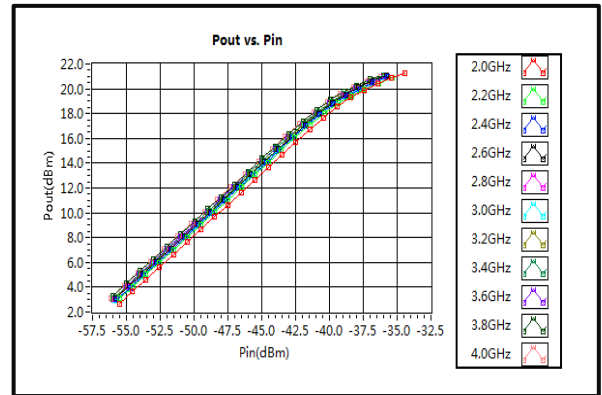


Широкополосный малошумящий усилитель мощности 2 ГГц - 4 ГГц

Noise Figure



Pout vs. Pin



Current vs. Pout

