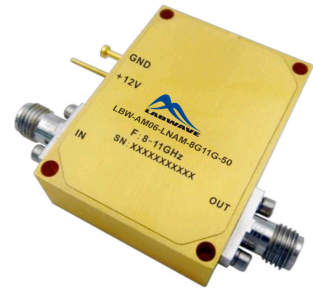


Характеристики:

- Коэффициент усиления: 45 дБ (тип.)
- Шум: 2,5 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +29 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.	Units
Frequency Range	8~11			GHz
Gain	42	45	50	dB
Gain Flatness		±0.5	±1.0	dB
Gain Variation Over Temperature (-40°C~+85°C)		±2.5		dB
Noise Figure		2.2	3.0	dB
Input VSWR		1.5	2.0	: 1
Output VSWR		1.6	2.0	: 1
Output 1dB Compression Point (P1dB)	27	29		dBm
Saturated Output Power (Psat)		31		dBm
Output Third Order Intercept (OIP3)		33		dBm
Supply Current (Vcc=+12V)		360	500	mA
Isolation S12		-60		dB

Weight	3.5 max ounces	Impedance	50ohms
Input /Output Connectors	SMA-Female	Material	Copper
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)
			Hermetically Sealed (Optional)

## Широкополосный малошумящий усилитель 8 ГГц — 11 ГГц

### Absolute Maximum Ratings

Operating Voltage	+15V@25°C
RF Input Power (RFIN)	+5dBm@25°C

### 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

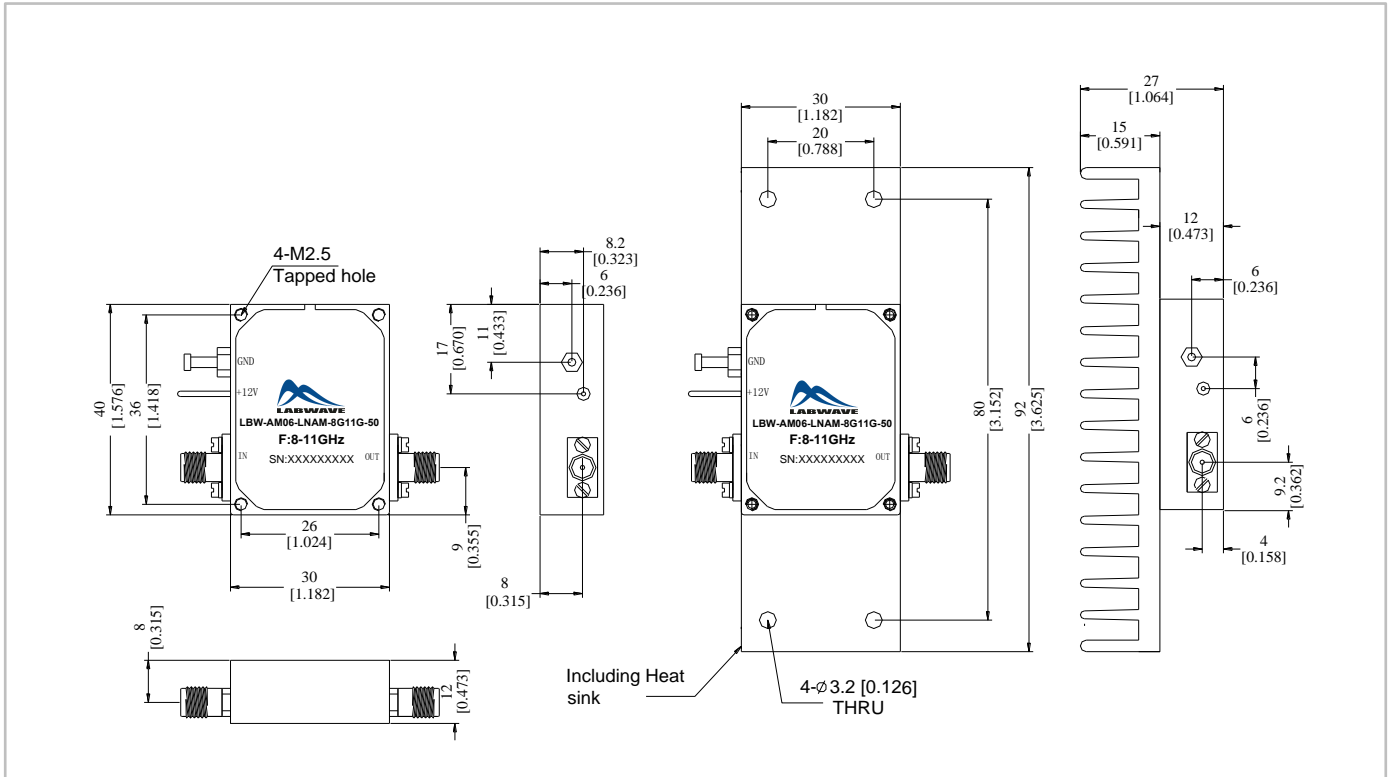
### Environmental Specifications

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:

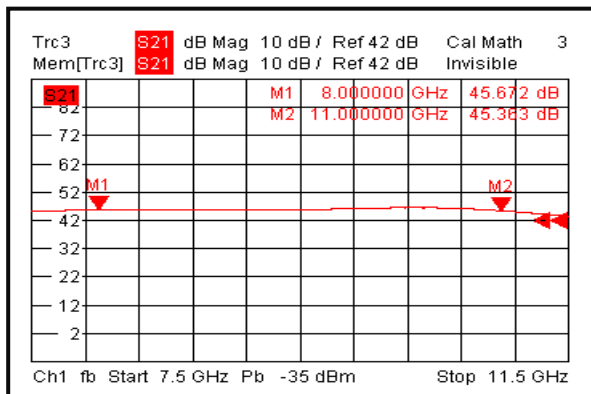
All Dimensions in mm (inches)

Heat Sink required during operation(Sold Separately)

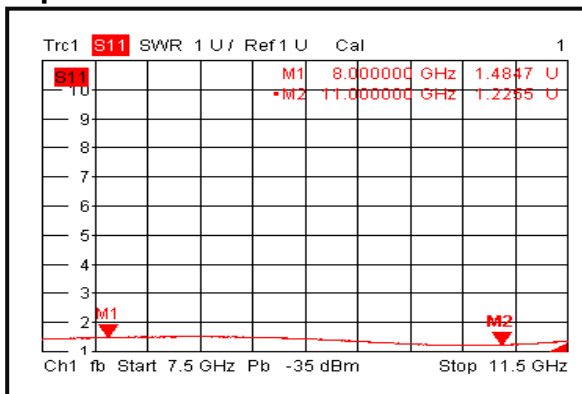


## Широкополосный малошумящий усилитель 8 ГГц — 11 ГГц

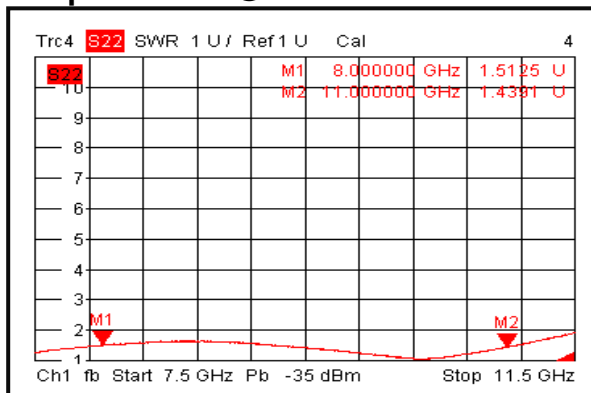
### Gain @+25°C



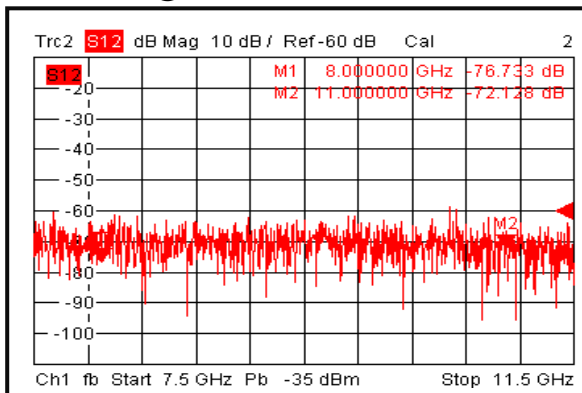
### Input VSWR @+25°C



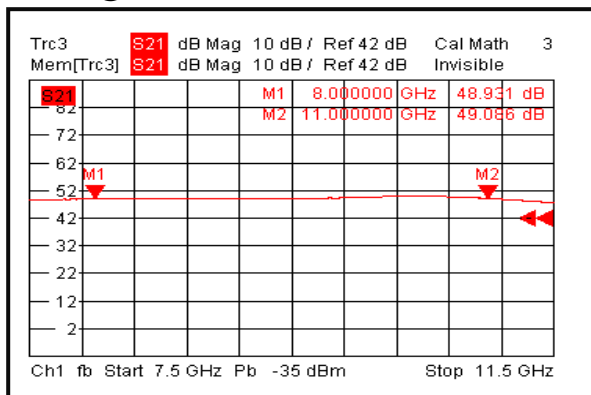
### Output VSWR @+25°C



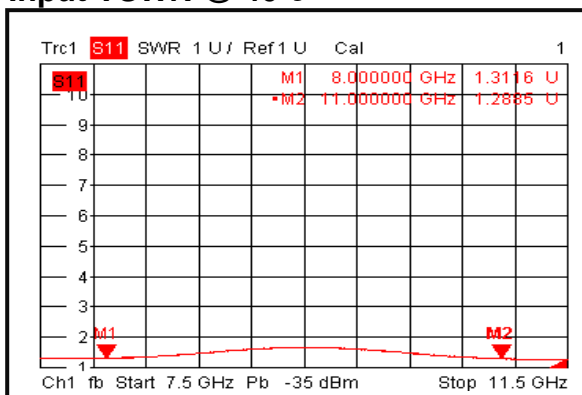
### Isolation @+25°C



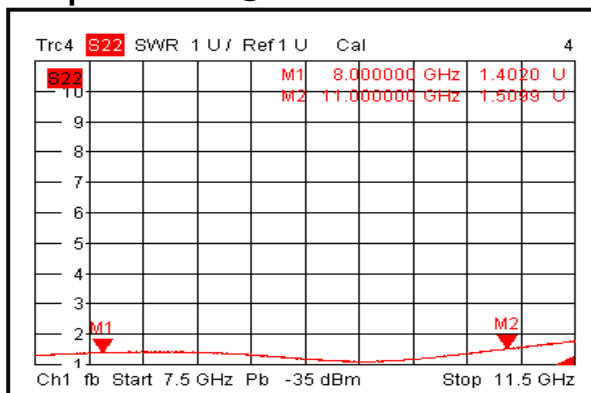
### Gain @-40°C



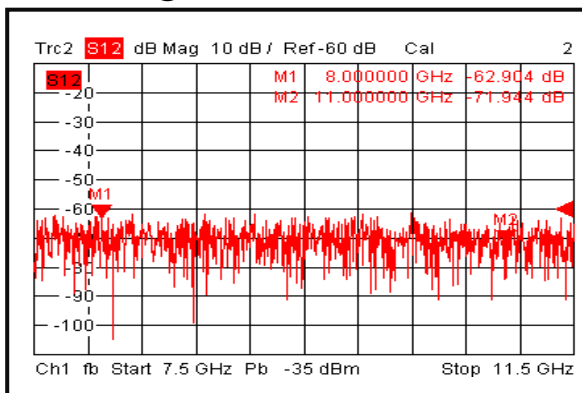
### Input VSWR @-40°C



### Output VSWR @-40°C

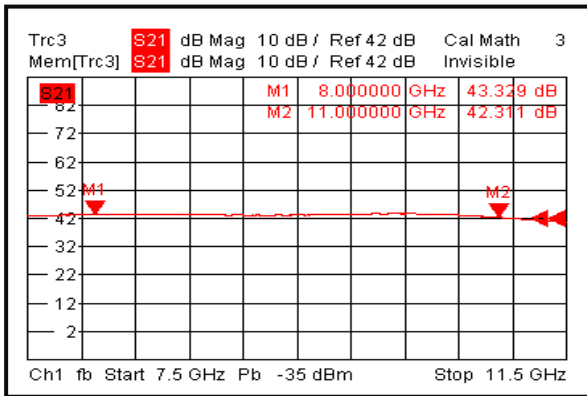


### Isolation @-40°C

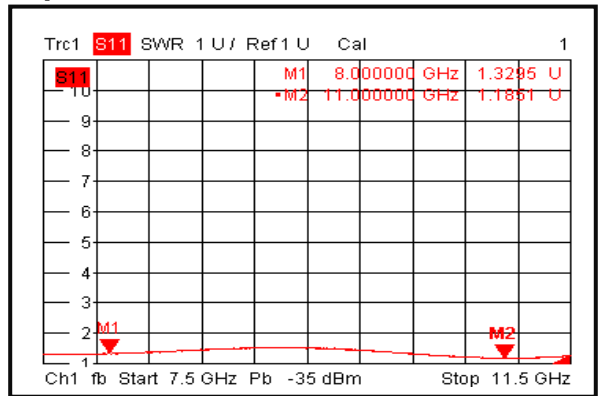


## Широкополосный малошумящий усилитель 8 ГГц — 11 ГГц

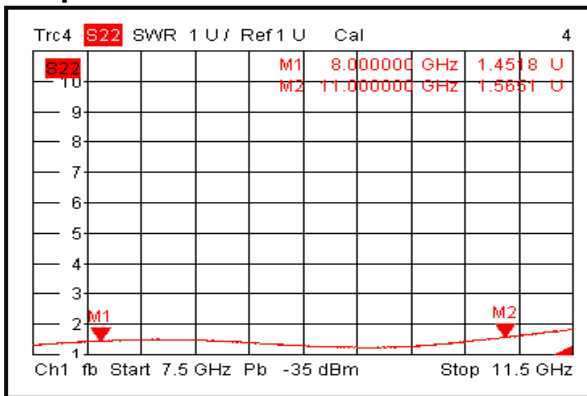
### Gain @+85°C



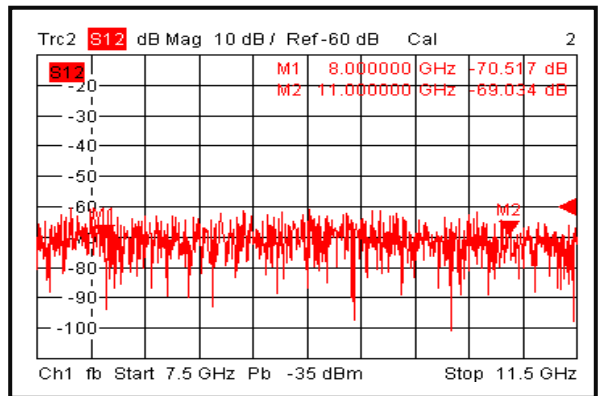
### Input VSWR @+85°C



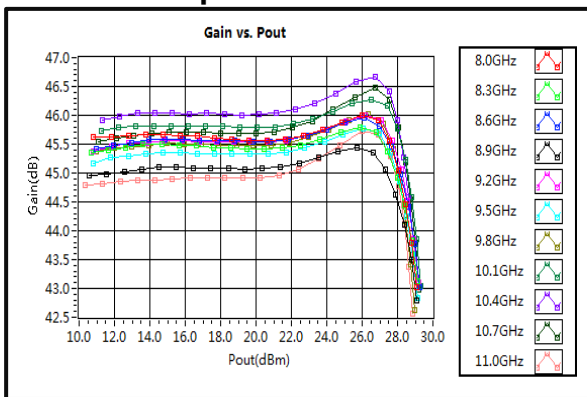
### Output VSWR @+85°C



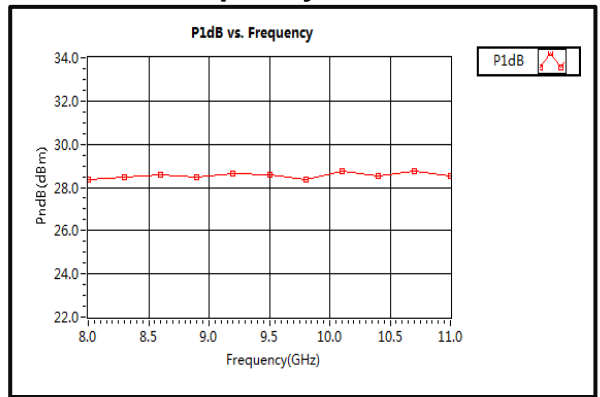
### Isolation @+85°C



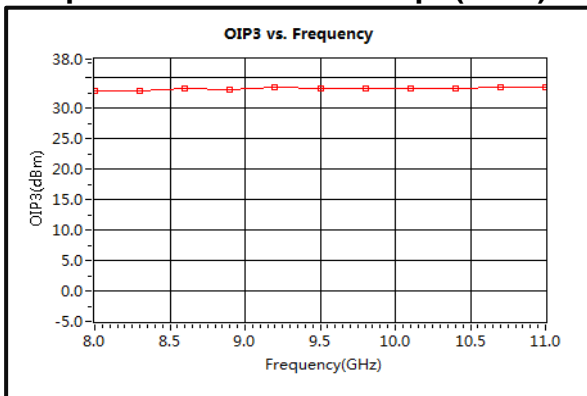
### Gain vs. Output Power



### P1dB vs. Frequency



### Output Third Order Intercept (OIP3)



### Noise Figure



