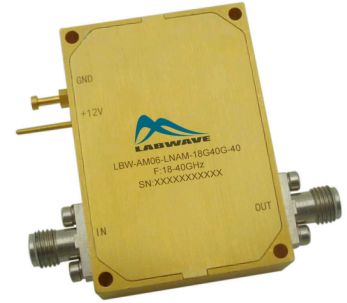


Характеристики:

- Коэффициент усиления: 40 дБ (тип.)
- Шум: 5,5 дБ (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +20 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	18		40	GHz
Gain	33	40		dB
Gain Flatness		±2.0	±3.5	dB
Gain Variation Over Temperature (-40°C~+85°C)		±1.5		dB
Noise Figure		5.5	6.5	dB
Input VSWR		2.0	2.8	: 1
Output VSWR		2.0	2.8	: 1
Output 1dB Compression Point (P1dB)	16	20		dBm
Saturated Output Power (P _{sat})		23		dBm
Output Third Order Intercept (OIP3)		30		dBm
Supply Current (I _{dd}) (V _{dd} =+12V)		500	600	mA
Isolation S12		-65		dB

Weight	1.9 Ounces(Max.)	Impedance	50ohms
Input / Output Connectors	2.92mm-Female	Material	Aluminum
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)
			Hermetically Sealed (Option with extra charge)

Малошумящий усилитель мощности 18 ГГц - 40 ГГц

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power (RFIN)	-5dBm

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

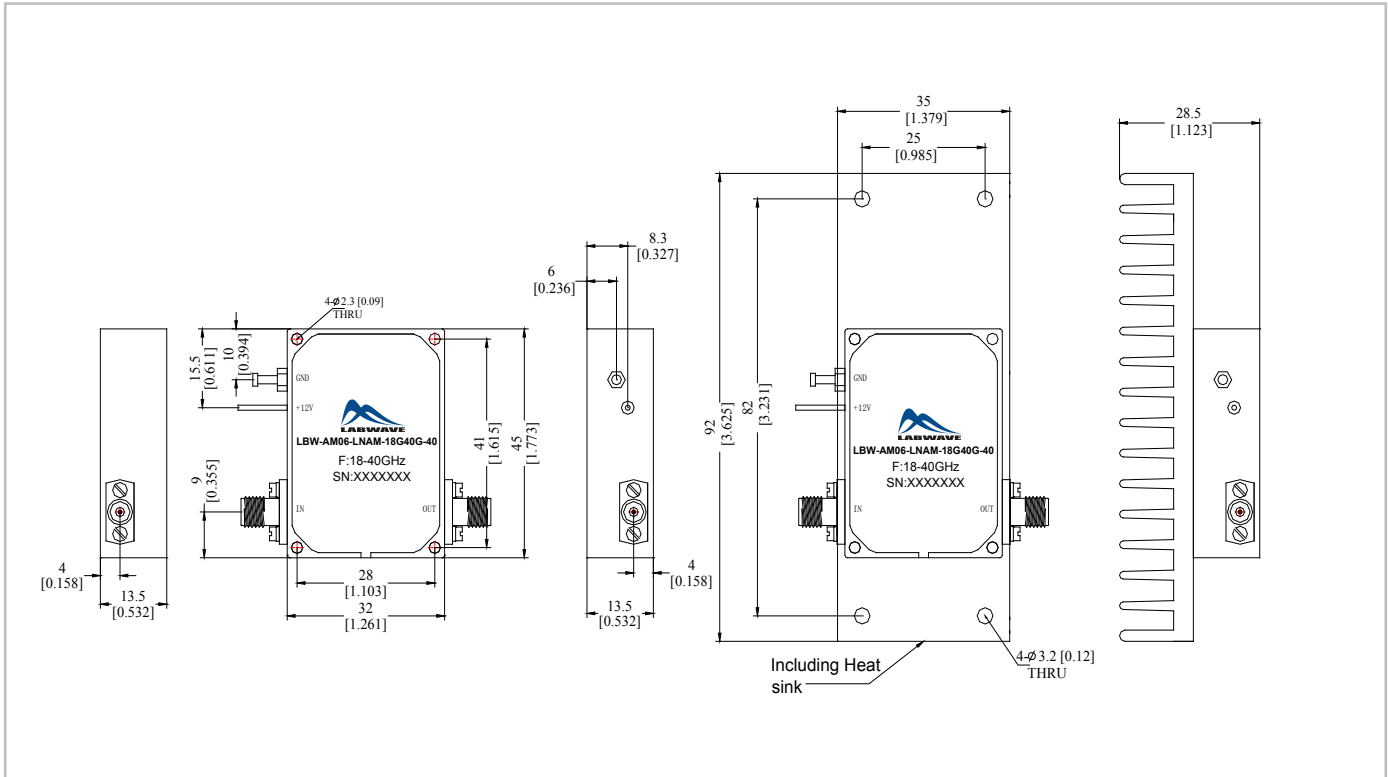
Operational Temperature	-40°C~+85°C
Storage Temperature	-50°C~+105°C
Altitude	30,000 ft. (Epoxy Sealed Controlled environment)
	60,000 ft. 1.0psi min (Hermetically Sealed Un-controlled environment) (Optional)
Vibration	25g RMS (15 degrees 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35°C, 95%RH at 40°C
Shock	20G for 11msec half sine wave, 3 axis both directions

Outline Drawing:

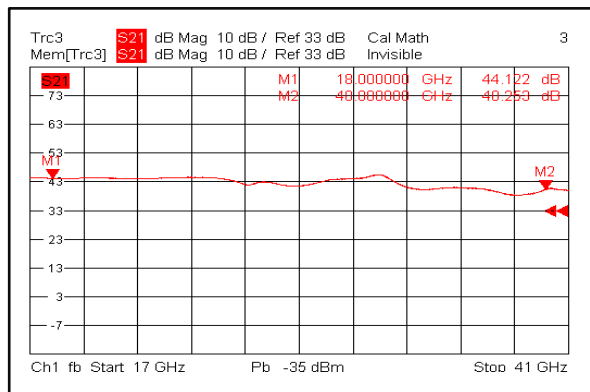
All Dimensions in mm (inches)

Housing Tolerances ± 0.1 (0.004)

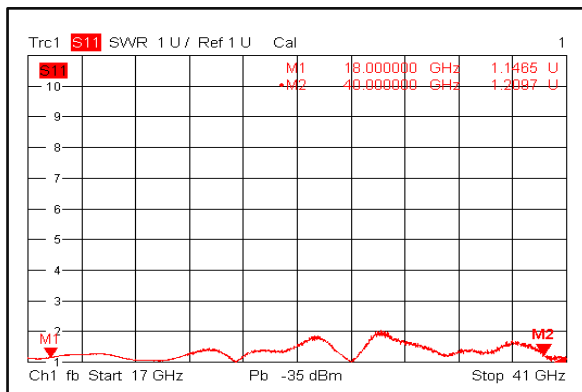
Heat Sink required during operation(Sold Separately)



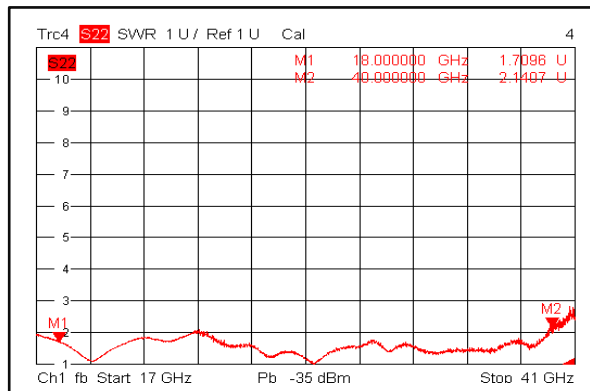
Gain @+25°C



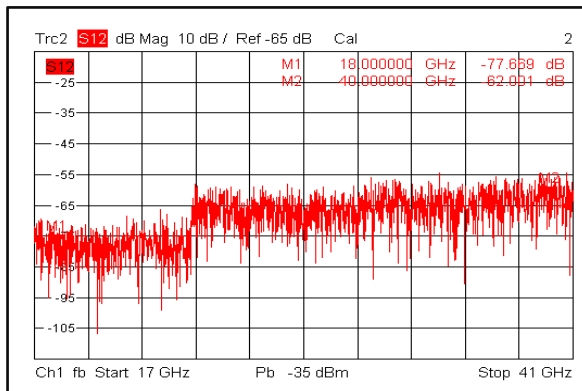
Input VSWR @+25°C



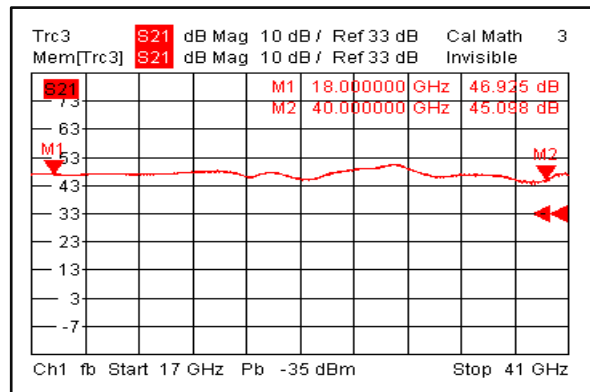
Output VSWR @+25°C



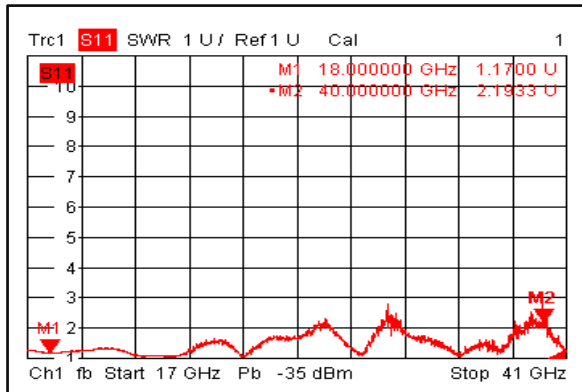
Isolation @+25°C



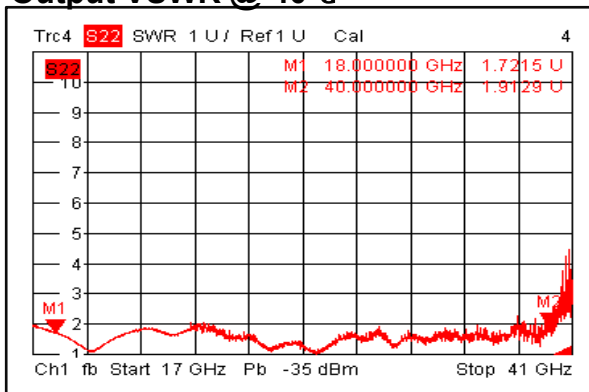
Gain @-40°C



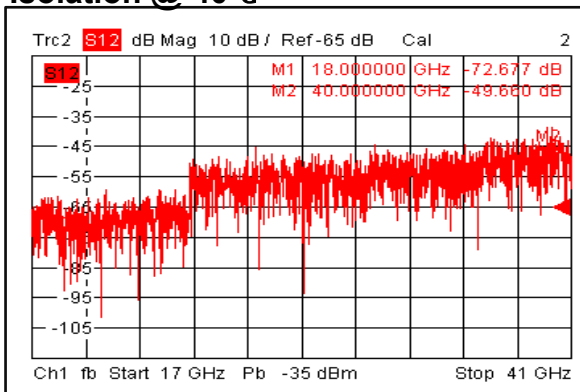
Input VSWR @-40°C



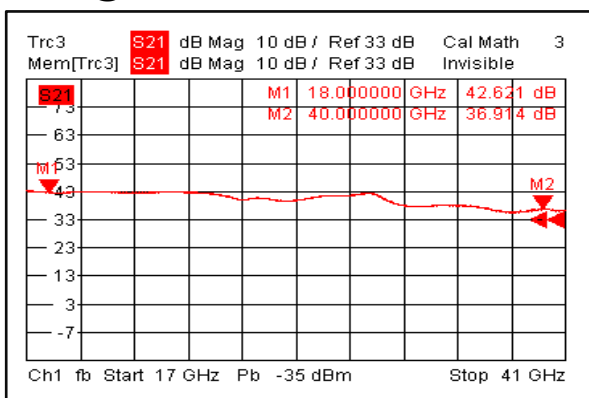
Output VSWR @-40°C



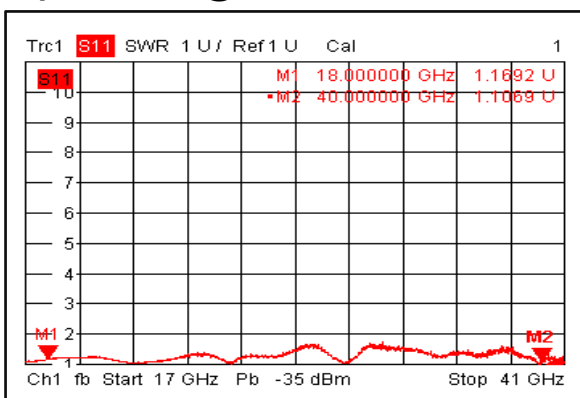
Isolation @-40°C



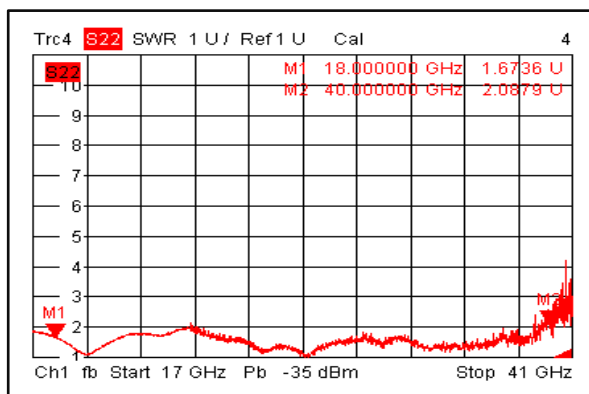
Gain @+85°C



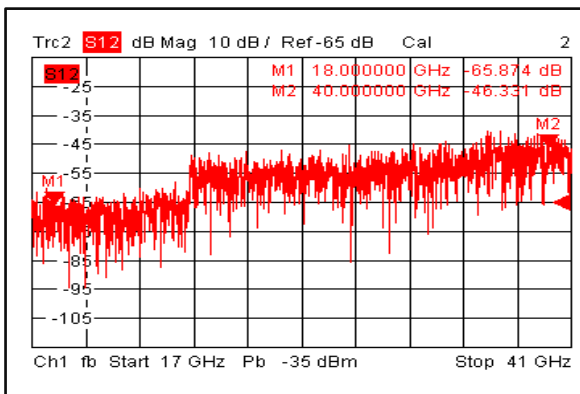
Input VSWR @+85°C



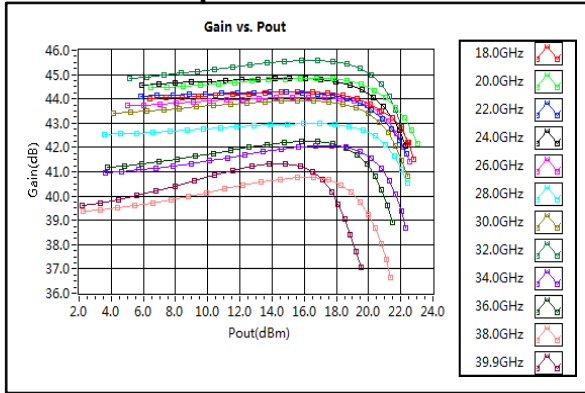
Output VSWR @+85°C



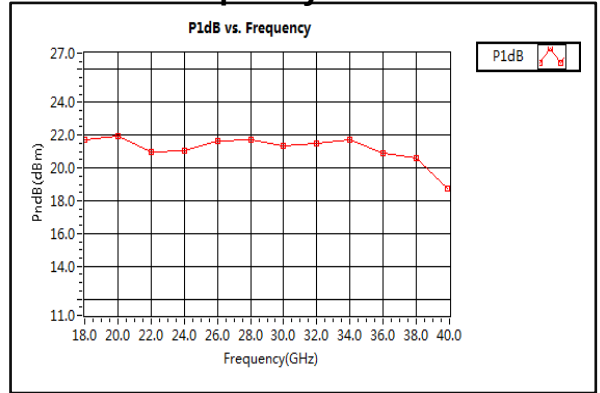
Isolation @+85°C



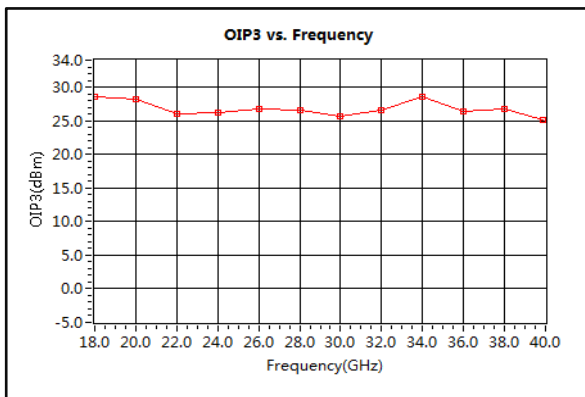
Gain vs. Output Power



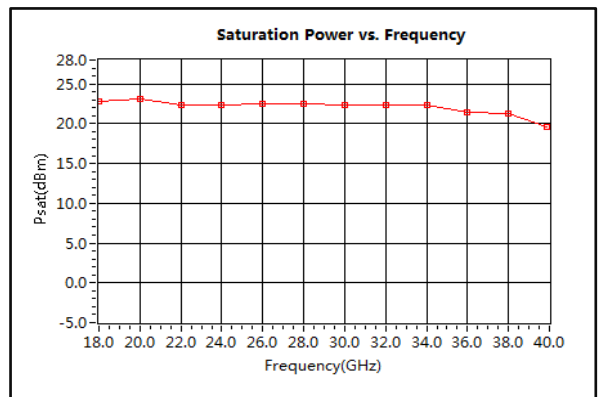
P1dB vs. Frequency



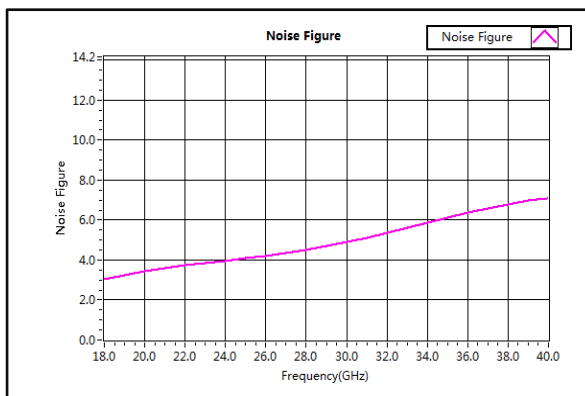
Output Third order Intercept (OIP3)



Saturation Power vs. Frequency



Noise Figure



2nd Harmonic wave output Power

