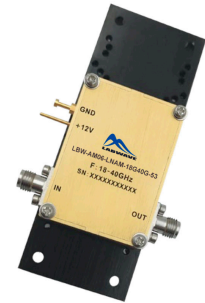


Характеристики:

- Коэффициент усиления: 53 дБ (тип.)
- Шум: 3,0 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	48	53		dB
Gain Flatness		±2.5		dB
Gain Variation Over Temperature (-40°C~+85°C)		±3.0		dB
Noise Figure		3.0	4.0	dB
Input VSWR		2.5		: 1
Output VSWR		2.5		: 1
Output 1dB Compression Point (P1dB)	17	20		dBm
Saturated Output Power (Psat)		21		dBm
Output Third Order Intercept (OIP3)		26		dBm
Supply Current (Vcc=+12V)		350	600	mA
Isolation		-65		dB

Weight	Net	1.5 Max. ounces	Impedance	50ohms
	Including Heat Sink	3.7 Max. ounces		
Input /Output Connectors	2.92mm-Female		Material	Aluminum
Finish	Gold Plated	Package Sealing	Epoxy Sealed (Standard)	
			Hermetically Sealed (Option with extra charge)	

Absolute Maximum Ratings

Operating Voltage	+15V
RF Input Power	-25dBm

Biassing Up Procedure

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

Power OFF Procedure

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

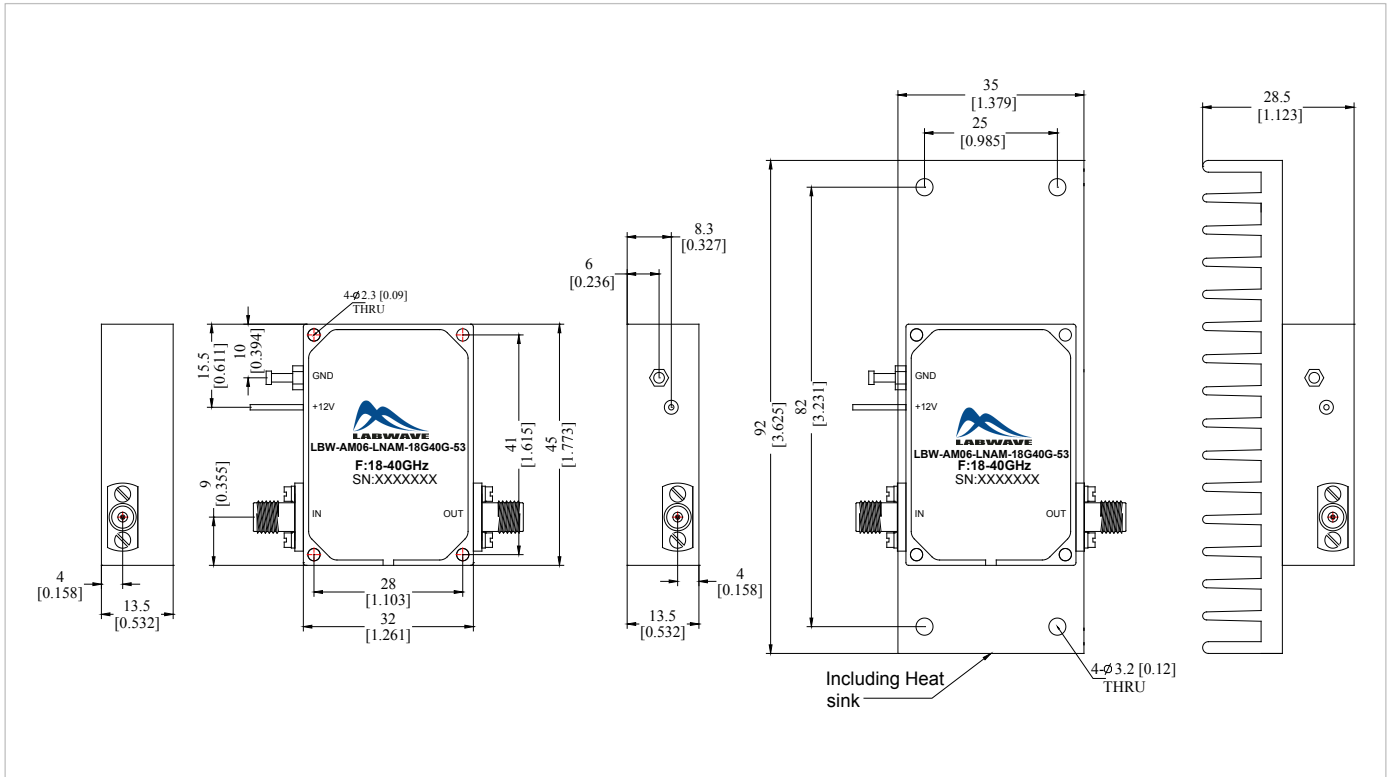
Environmental Specifications

Operational Temperature	-40°C~+85°C(Case Temperature)
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:

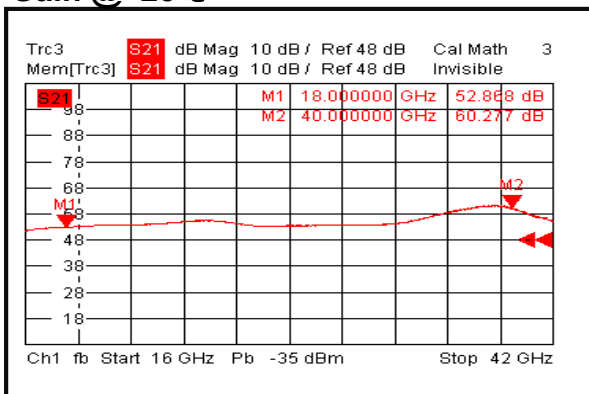
All Dimensions in mm (inches)
Housing Tolerances ± 0.1 (0.004)
(Excl Heat Sink)

Heat Sink required during operation(Sold Separately)

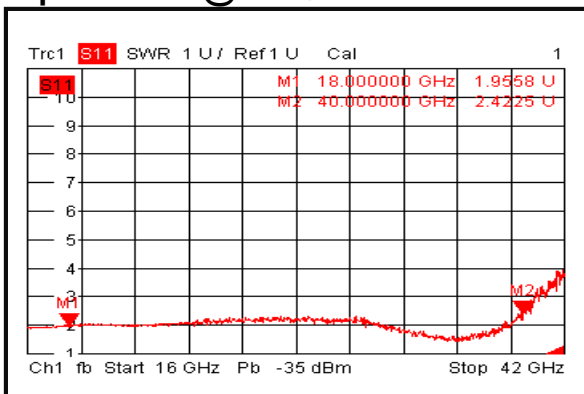


Малошумящий усилитель 18 ГГц — 40 ГГц

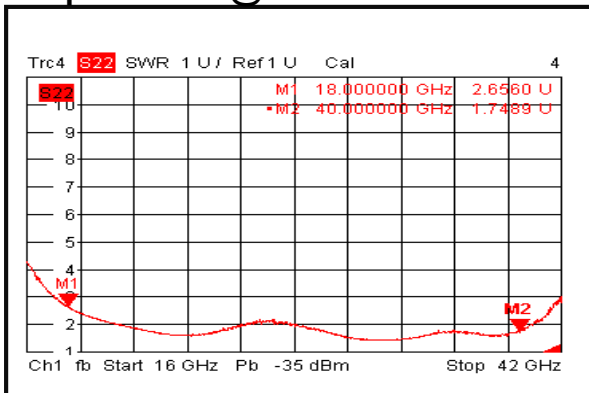
Gain @+25°C



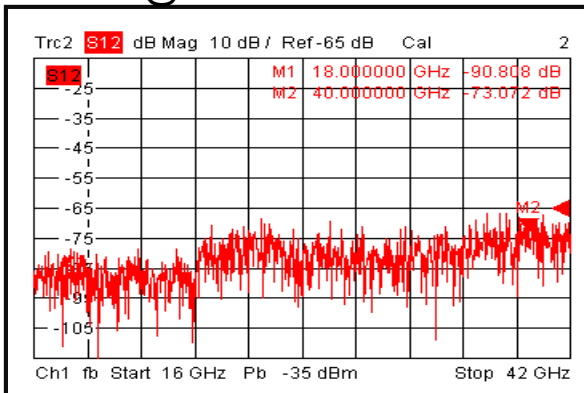
Input VSWR @+25°C



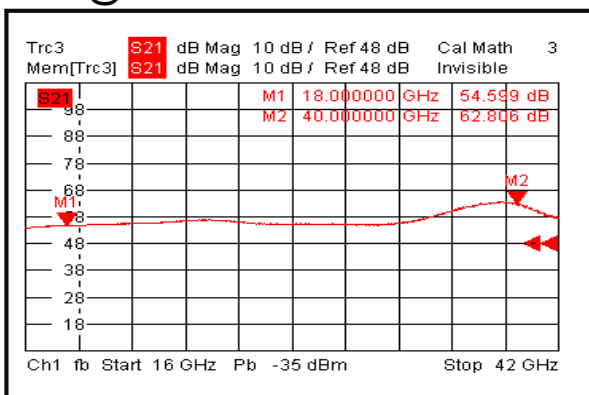
Output VSWR @+25°C



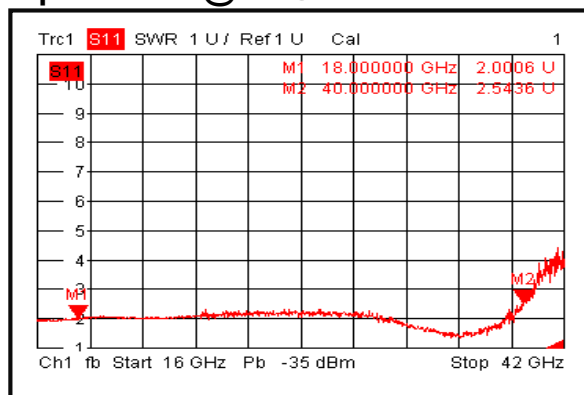
Isolation @+25°C



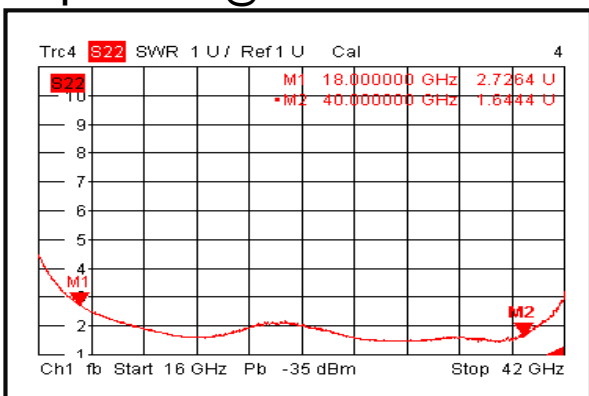
Gain @-40°C



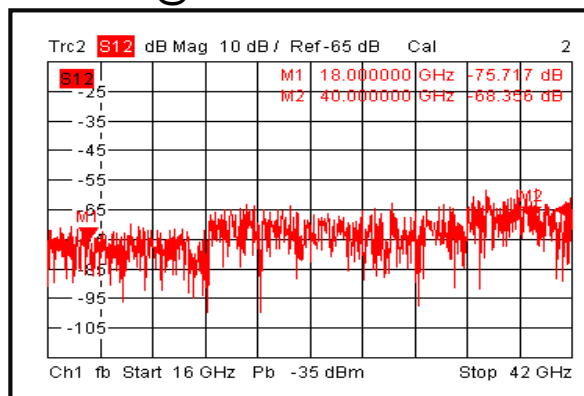
Input VSWR @-40°C



Output VSWR @-40°C

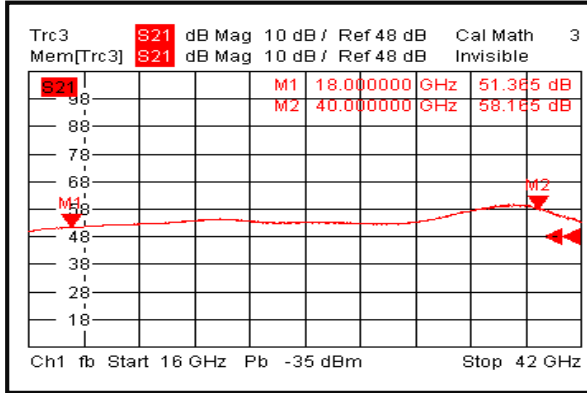


Isolation @-40°C

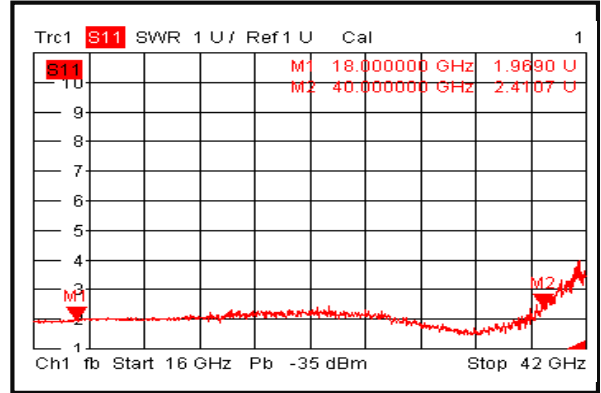


Малошумящий усилитель 18 ГГц — 40 ГГц

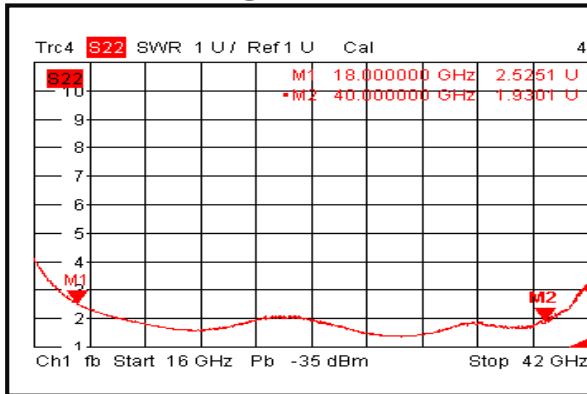
Gain @+85°C



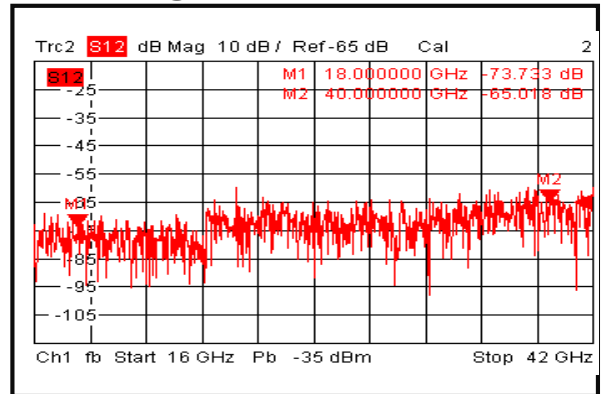
Input VSWR @+85°C



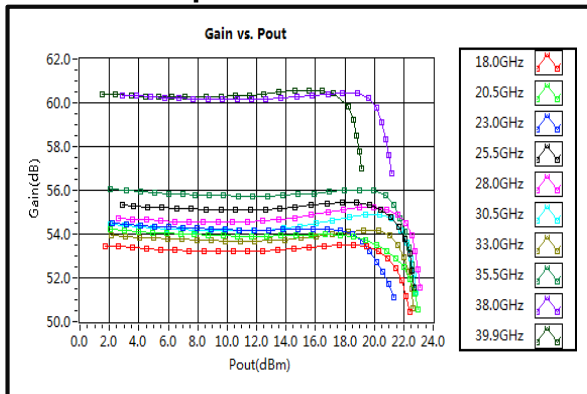
Output VSWR @+85°C



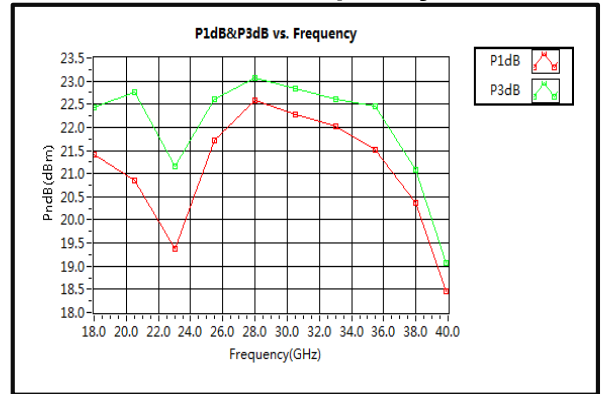
Isolation @+85°C



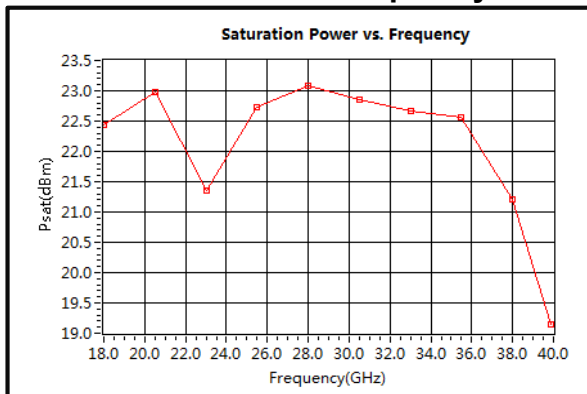
Gain vs. Output Power



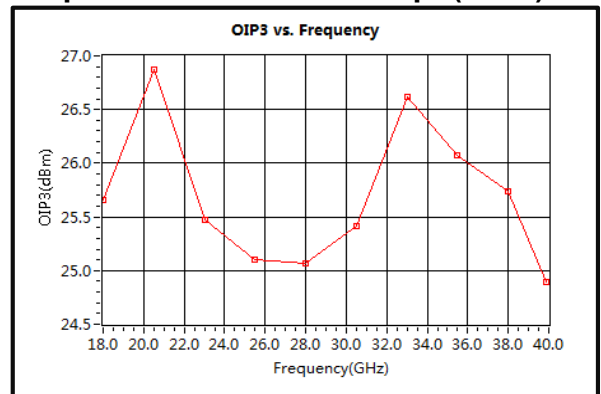
P1dB & P3dB vs. Frequency



Saturation Power vs. Frequency



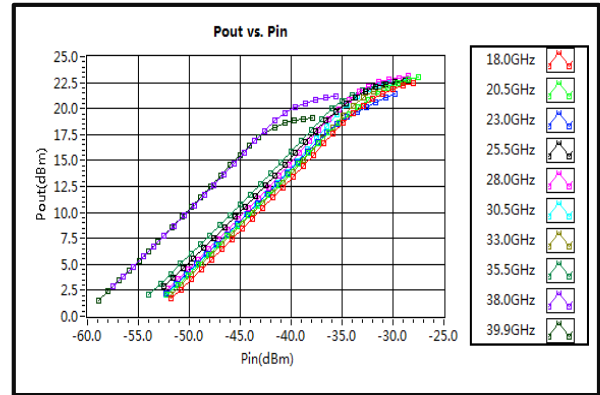
Output Third Order Intercept (OIP3)



Noise Figure



Pout vs. Pin



Current vs. Pout

