

Характеристики:

- Коэффициент усиления: 38 дБ (тип.)
- Выходная мощность: +32 дБм (тип.)
- Выходная мощность по уровню 1 дБ компрессии: +31 дБм (тип.)
- Напряжение питания: +24 В



Области применения:

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

Parameter	Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range	18		26	26		28	GHz
Gain	35	40		33	36		dB
Gain Flatness		±1.5			±1.5		dB
Gain Variation Over Temperature (-40°C~+85°C)		±2.0			±2.0		dB
Input VSWR		1.5	1.8		1.5	1.8	:1
Output 1dB Compression Point (P1dB)	30	32		29	31		dBm
Saturated Output Power (Psat)		33			32		dBm
3rd Order Intermodulation Product (IM3) @P1dB		15			15		dBc
Supply Current (Vcc=+24V)		560	1500		560	1500	mA
Efficiency at Psat (RF Output Power / DC Power Consumption)		12			12		%

Weight	Net	10 Max. ounces	Impedance	50ohms
	Including Heat Sink	58 Max. ounces		
Input / Output Connectors	2.92mm - Female	Material	Copper	
Finish	Nickel Plated	Package Sealing	Epoxy Sealed	

*Peak-power test signal: 200µs pulse width with 10% duty cycle.

Absolute Maximum Ratings

Operating Voltage	+28V
RF Input Power (RFIN)	2dBm

Biassing Up Procedure

Step 1	Connect Ground Pin
Step 2	Connect input and output
Step 3	Connect +24V biasing

Power OFF Procedure

Step 1	Turn off +24V biasing
Step 2	Remove RF connection
Step 3	Remove Ground

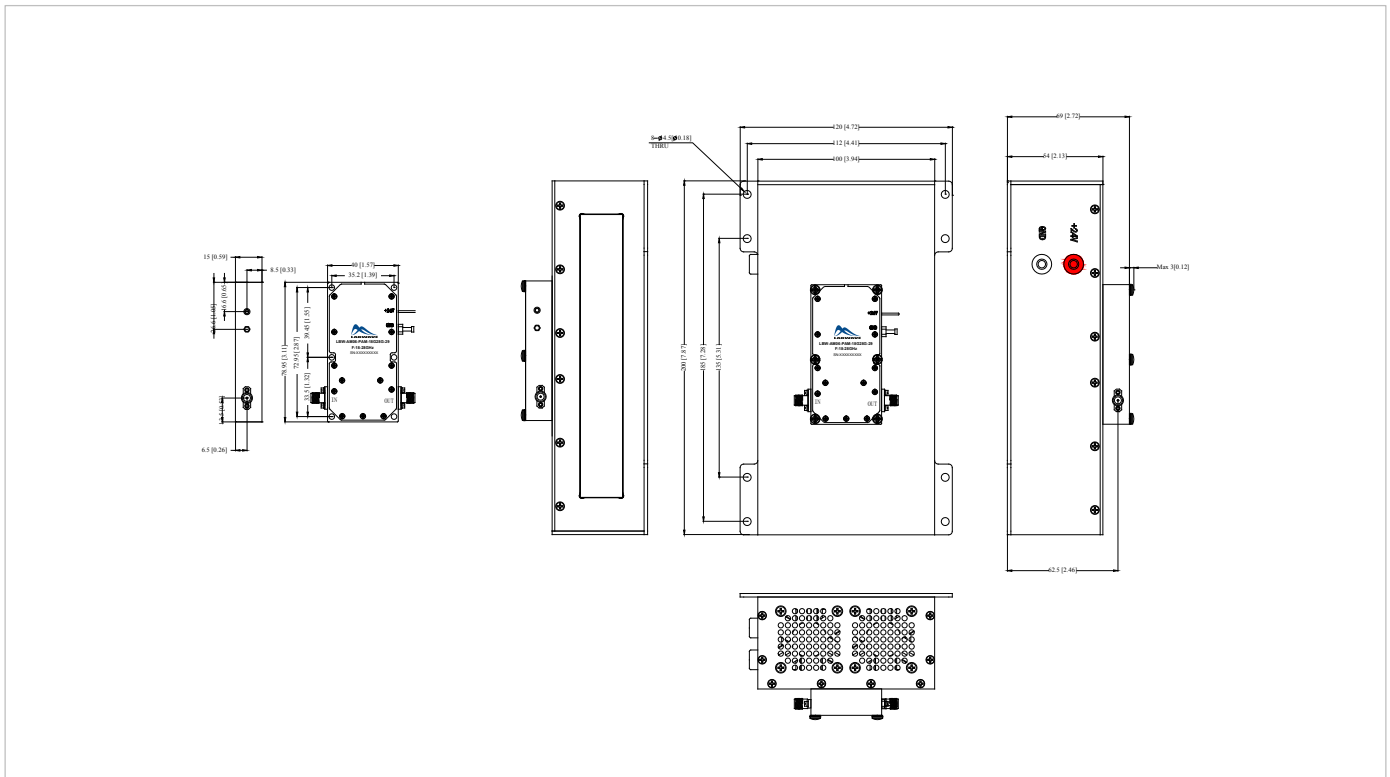
Environmental Specifications

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:

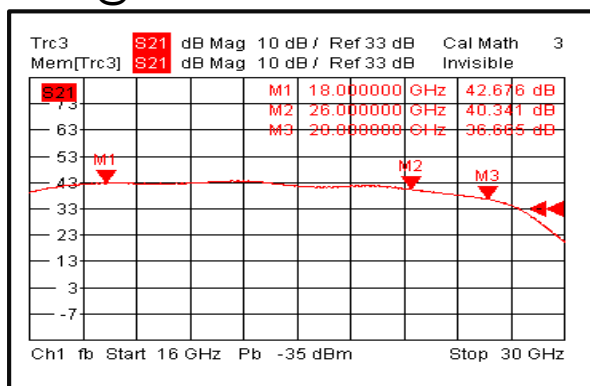
All Dimensions in mm (inches)
 Housing Tolerances ± 0.2 (0.008)
 (Excl Heat Sink)

Heat Sink required during operation(Sold Separately)

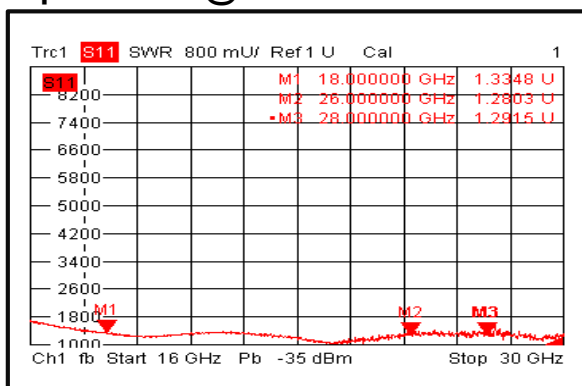


Широкополосный усилитель мощности 18 ГГц — 28 ГГц

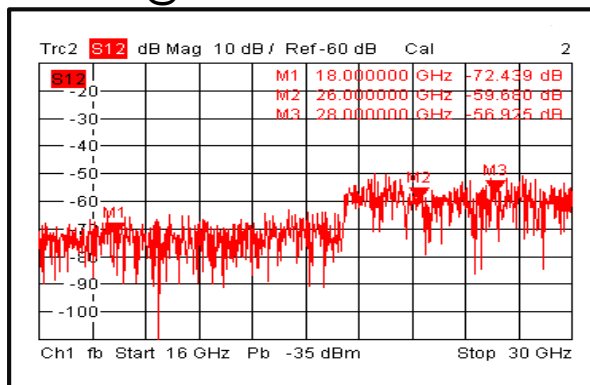
Gain@+25°C



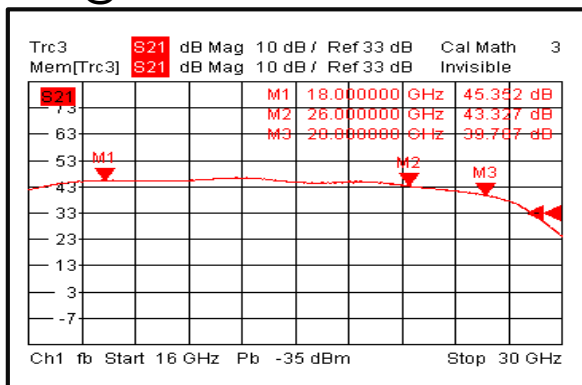
Input VSWR @+25°C



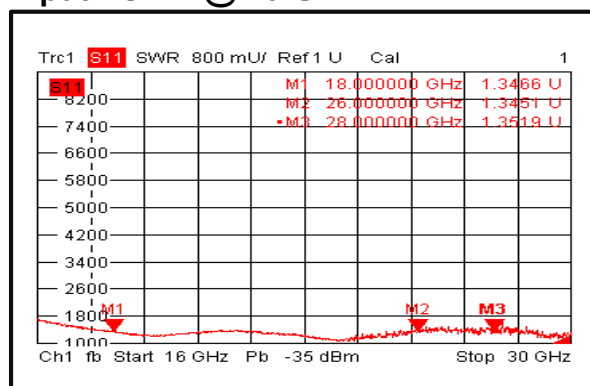
Isolation@+25°C



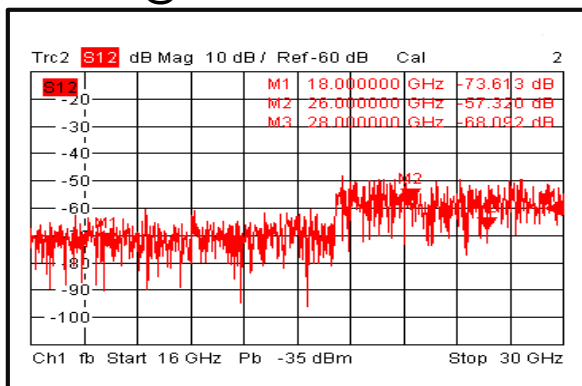
Gain@-40°C



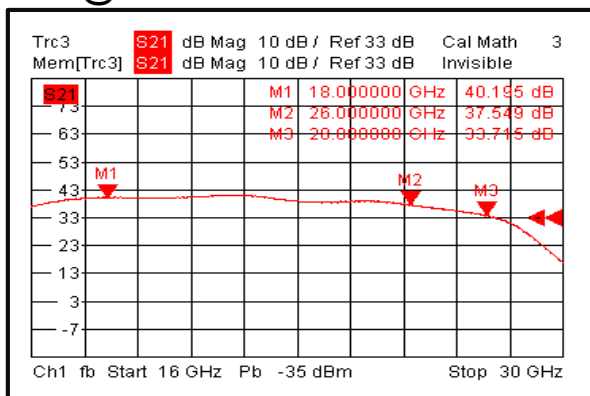
Input VSWR @-40°C



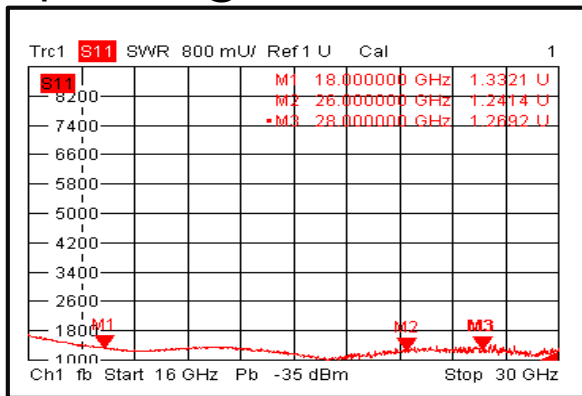
Isolation@-40°C



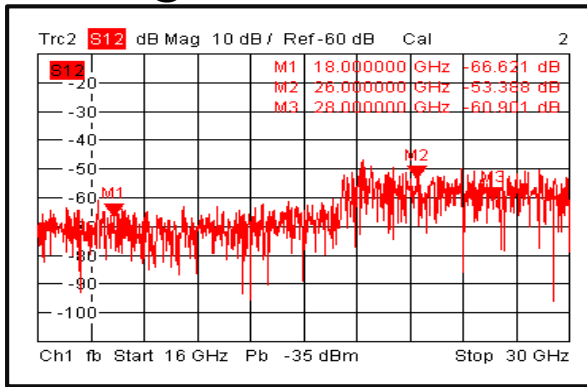
Gain@+85°C



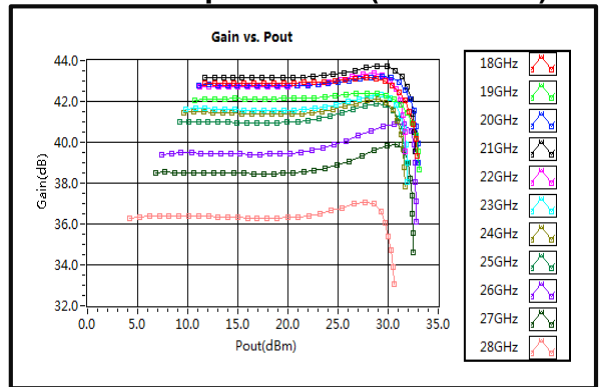
Input VSWR @+85°C



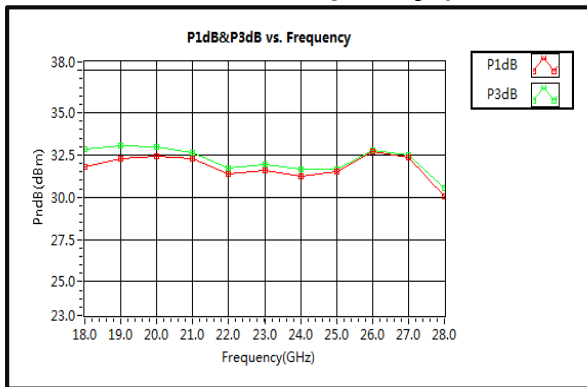
Isolation@+85°C



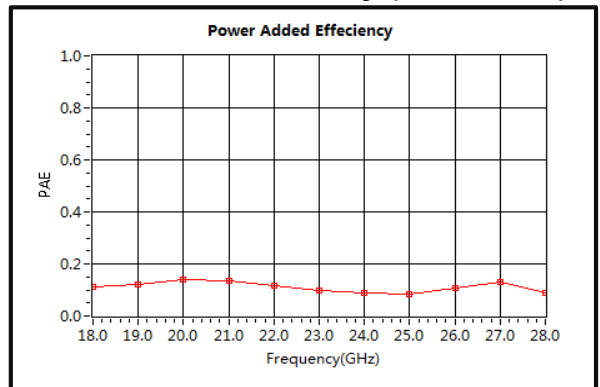
Gain vs. Output Power (CW Power)



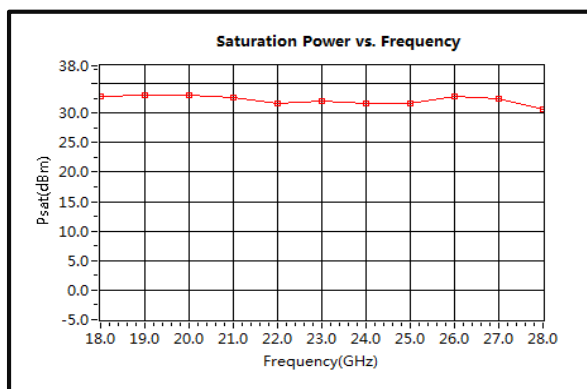
P1dB & P3dB vs. Frequency (CW Power)



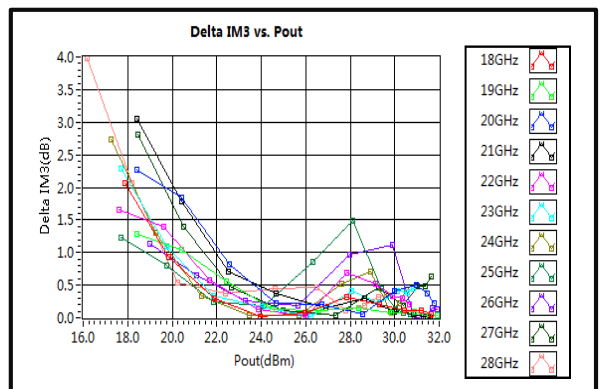
Power Added Efficiency (CW Power)



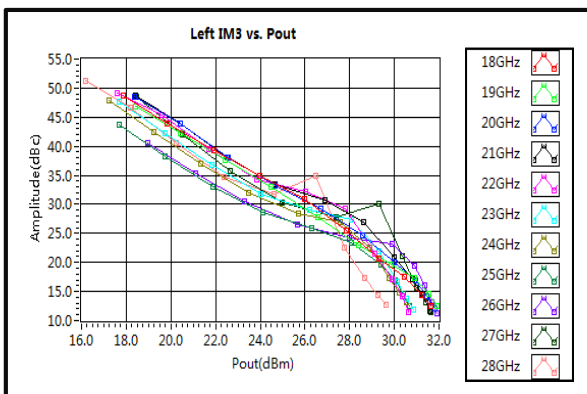
Saturation Power vs. Frequency (CW Power)



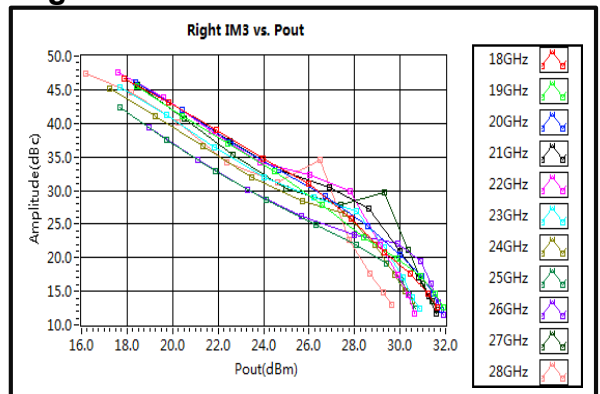
Delta IM3 vs. Pout



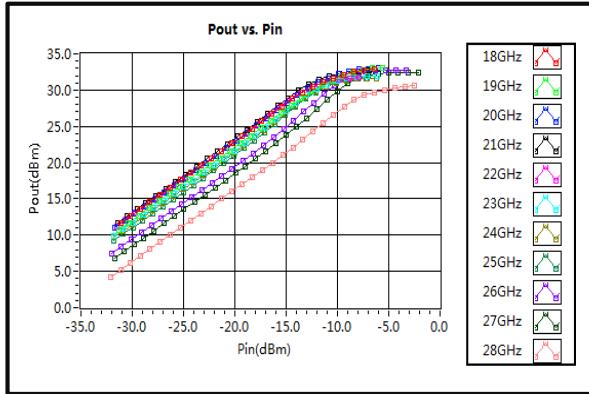
Left IM3 vs. Pout



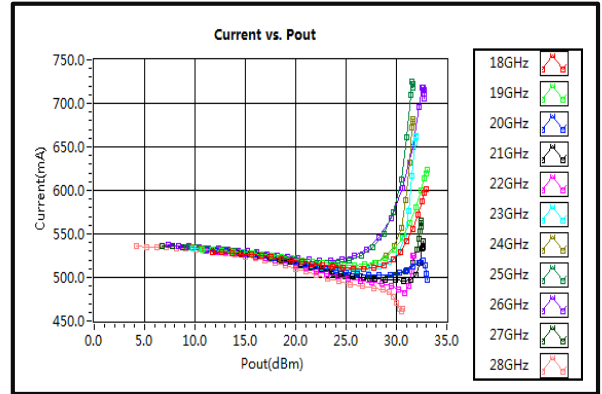
Right IM3 vs. Pout



Pout vs. Pin (CW Power)



Current vs. Pout (CW Power)



2nd Harmonic Wave Output Power

