

Характеристики:

- Широкополосный настольный усилитель мощности
- Усиление слабого сигнала 50 дБ (тип.)
- Выходная мощность насыщения: 37 дБм (тип.)
- Импеданс входа/выхода 50 Ом
- Защита от перегрузки по току



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	2-12			12-22			GHz
Gain		50			45		dB
Gain Flatness		± 5.0			± 8.0		dB
Gain Variation Over Temperature (-30°C ~ +70°C)		± 4.0			± 4.0		dB
Input Return Loss		11			10		dB
Output 1dB Compression Point (P1dB)	33	34		32	33		
Saturated Output Power (Psat)	35	37		33	35		dBm
Supply Current (AC110~220V)		470			470		mA

Weight	ounces (Max.)	Impedance	50ohms
Input /Output Connectors	SMA-Female	Material	Aluminum
Finish	Gray Painted		

Широкополосный настольный усилитель мощности 6 Вт, 2 ГГц — 22 ГГц

Absolute Maximum Ratings

Operating Voltage	110VAC to 220VAC
RF Input Power (RFIN)	-6dBm

Note: Maximum RF input power is defined to protect the amplifier from damage.

Input power may be increased at the users own risk to achieve the full output power of the amplifier. Please reference gain and power curves and monitor the temperature.

Biassing Up Procedure

Step 1	Connect input and output with 50 Ohm source and load with in band return loss better than 10dB.
Step 2	Connect AC Plug
Step 3	Flip switch to "ON" position

Power OFF Procedure

Step 1	Flip switch to "OFF" position
Step 2	Remove AC Plug
Step 3	Remove RF Connection

Environmental Specifications

Operational Temperature	-40°C~+70°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) Tolerances ± 2.5 (0.1)

