

# RF Power Amplifier module

# AP1000010500-5

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A with a 12 V DC power supply. The amplifier is accommodated in aluminium housing.

## Features :

- \* 8 Watts saturated output power
- \* 37 dB minimum gain
- \* Electronic Attenuator in option
- \* Overvoltage and reverse protection

## Applications :

- \* RF links
- \* Test Bench
- \* Field Test
- \* Instrumentation

## Specifications

Characteristics	Data	Units
Frequency range	10 000 MHz - 10 500 MHz	MHz
RF output power CW		
Typ.	6	W
Min	5	W
Class	A	
Power gain	37	dB
Flatness	+/- 2 dB	dB
Input power for rated output power	0	dBm
Max. input power	10	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	Infinite @ 5 W	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-15	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order typ.		dBm
RF connectors	SMA female	
Cooling	by conduction	
Operating temperature Range	0 °C ... + 55	° C
Power Supply	13 - 15 V DC	V
Dimensions (W x L x H)		mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		