

# RF Power Amplifier module

AP5001000-25

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A/AB with a 28 V DC power supply. The amplifier is accommodated in aluminium housing.

**Features :**

- \* 30 Watts saturated output power
- \* 43 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	500 MHz -1000 MHz	MHz
RF output power CW		
Typ.	26	W
Min	25	W
Class	A/AB	
Power gain	43	dB
Flatness	+/- 2,5 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 @ 15 W	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-16	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	28 DC +/- 5%	V
Dimensions (W x L x H)		mm

All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice