

RF Power Amplifier module

AP7004200-0,8

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 :

- * 1 Watts saturated output power
- * 30 dB minimum gain

Applications :

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

Specifications

Characteristics	Data	Units
Frequency range	700 MHz - 4200 MHz	MHz
RF output power CW		
Typ.	0,9	W
Min	0,8	W
Class	A	
Power gain	30	dB
Flatness	+/- 2 dB	dB
Input power for rated output power	0	dBm
Max. input power	17	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 @ 0,9 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		