

RF Power Amplifier

RF2040 - 500

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A/AB and includes RF protection circuits, cooling installations and 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

Features :

- * **600 Watts saturated output power**
- * 57 dB minimum gain
- * **Water cooling**
- * Meter
- * Temperature protection
- * RS232 or RS485 or IEEE in option

Applications :

- * RF links
- * Test Bench
- * N M R, E M I
- * Instrumentation

Specifications

case : RAC012-03

Characteristics	Data	Units
Frequency range	20 - 40	MHz
RF output power CW		
Typ.	550	W
Min	500	W
Class	A / AB	
Power gain min	57	dB
Flatness	+/- 2,5 dB	dB
Input power for rated output power	0	dBm
Max. input power	13	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Load VSWR for rated output power	up to 1.7 : 1	
VSWR mismatch	infinite @ 500 W power decrease	
Protection circuits	Load VSWR, over temperature	
Harmonics typ.	-20	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order typ.		dBm
RF connectors	N female	
Cooling	Water cooling	
Operating temperature Range	0 °C ... + 40	° C
Power Supply	230 AC +/- 10 % ,47-63 Hz	V
Dimensions (W x L x H)	RAC012-03 6 U p 460 mm	
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

10/08/2001

R.F.P.A. S.A.

Parc d'activité de Fontaudin F33370 Artigues près Bordeaux
France Tél : +33 (0)5 56 86 85 84 Fax: + 33 (0) 5 56 86 55 56